

CHEMIST and DRUGGIST

AUGUST 29, 1913

The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

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LXXXVIII

AUGUST 29, 1942

Annual Subscription (with
Diary) 25/- Single Copies 9d.



BARBITURIC ACID DERIVATIVES

PROGRESS in the therapeutic field has always been the aim of the Lilly Research Laboratories, and in the case of Barbituric Acid derivatives some notable products have resulted. Judged by criteria of potency, uniformity, stability and purity these products rank high and command the confidence of the medical profession. In keeping with the Lilly Policy, distribution is reserved to the Drug Trade.

LI LILLY AND COMPANY LIMITED
BASINGSTOKE, HANTS.

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LAX AND SHAW

MEDICINE

FEEDERS

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L POMADES

POISON BOT

12 SIDED JARS

THREE PANEL F

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TALL PILLAR OVAL

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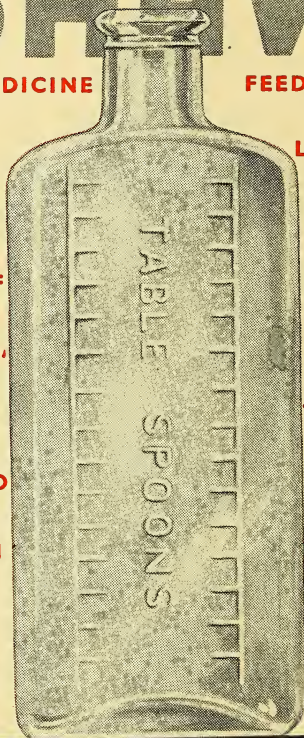
EE PANEL FLATS

DISPENSING

• SALAD OIL

PASTES

• PANELS



GLASS BOTTLES

★ In common with other manufacturers one of our most difficult problems is to square increased demand with limited output. We would assure our customers that we are doing our utmost to meet their requirements on an adequate basis and that deliveries are being speeded up wherever possible.

LAX & SHAW LTD., Regd. Office, ALBERT GLASS WORKS, HUNSLET, LEEDS

Telephone: Leeds, 21563-9

Telegrams: 'Feeders Phone Leeds'

London Office, St. Martin's House, 29 Ludgate Hill, E.C.4. City 7170



Working Together

If ever there was a time when we should help one another, it is now.

The National Cash Register Company, like all others, has been vitally affected by war-time conditions, and our staff of skilled technicians has been considerably depleted.

New machines are scarce, and those used for essential work have priority claim on our Servicing facilities.

By saving time and labour

National Cash Registers are helping in the war effort. Therefore arrangements have been made so far as is possible to service Nationals wherever they may be.

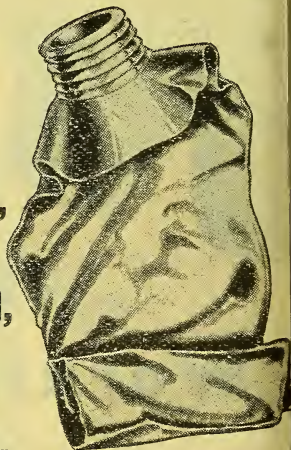
Possessors of National Cash Register ticket issuing machines are particularly fortunate. Are yours working to full efficiency? They save paper — they protect you and your customer with proof of purchase in these “no-wrapping” days.



The National Cash Register Company Ltd.

YOU MUST GET ME BACK FOR MUNITIONS!

**TELL YOUR CUSTOMERS
TO BRING ALL EMPTY
TUBES, WHATEVER THEY
CONTAINED—TOOTHPASTE,
SHAVING CREAM, OINT-
MENT, RUBBER SOLUTION,
ETC.—TO YOU, NOT TO
PUT THEM WITH
ORDINARY METAL SALVAGE,
OR THE VITAL TIN AND LEAD THEY
CONTAIN WILL BE LOST IN SMELTING**



Take these steps now!

- 1** Each time you sell any tube product ask for the old tube (and any others the customer may have) to be returned.
 - 2** Place any handy container (e.g., glass jar, cardboard box, etc.) on your counter, in which customers can place their empty tubes.
 - 3** Fix the show card (which has been sent to you) to the container, and display the show bill in your window.
- ★ *Collection by Container Recovery Service from Chemists themselves will be made at intervals of 3 to 4 weeks. If, however, you have a fair stock of empty tubes already, or you think you have been overlooked, please write to the address given and special arrangements will be made.*

**ALL PROCEEDS WILL GO TO
THE RED CROSS & ST. JOHN
FUND**

★

Issued by

**THE DENTIFRICE MANUFACTURERS
OF GREAT BRITAIN**

(Dentifrice Manufacturers Section
London Chamber of Commerce,
69 Cannon Street, London, E.C.4)

MRT 3-28

Collosol Argentum Crookes'

As a general antiseptic *Collosol Argentum* is rather more than equal to one per cent. phenol and is at the same time completely non-toxic and non-irritant.

Indicated in all types of inflammatory conditions of the ear, nose and throat.

In cases of ophthalmia neonatorum *Collosol Argentum Ophthalmic* has become a standard treatment and has been indicated by some authorities as the best local remedy for cases admitted with gonorrhoeal ophthalmia.

Full details of packings and prices available on application.



use in *for* the treatment of
ALL TYPES OF CHRONIC INFLAMMATORY
CONDITIONS, DERMATOLOGY, EAR, NOSE
AND THROAT INFECTIONS

WARNING

For some years a large quantity of cartons have been put into circulation by a firm of manufacturers and subsidiaries bearing upon them patent and registration numbers which do not apply or have long since expired.

We are probably the largest producers of cartons made under patents and registrations, and we feel that this practice gravely prejudices both other manufacturers and users of cartons, and are giving publicity to this abuse in the hope that, for the sake of simplicity and honesty in business relations, the practice will cease.

We reject entirely the claim that persons or manufacturers guilty of this practice are really representative of the industry.

War conditions open new opportunities and we sincerely hope, in the interest of the future of the carton and box industry, every effort will be made to eliminate such elements.

We will willingly put our knowledge and experience at the service of any firm feeling it has been prejudiced by the practices described.

Issued in the National Interest

by

BOXFOLDIA LTD.

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SOUTHAMPTON**

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The demand for SEROCALCIN will begin at once

WHAT ABOUT SUPPLIES?

Our National Advertising Campaign for the Autumn has already begun. You will be well advised to assess your requirements of SEROCALCIN and order now. By doing so you will be rendering a service to your customers and you will make it easier for us to keep pace with orders throughout the winter.

The experience of previous winters

will have shown you how rapidly the demand for SEROCALCIN (*Regd. Trade Mark*) is increasing. Bear this in mind when estimating your requirements and do not overlook that the prior claims of hospitals, munition factories and schools might well result in your being out of stock when the demand reaches its seasonal peak.

We both have difficulties to face this winter. Let us get this supply problem cleared up now. It will help us both.

SEROCALCIN PREVENTS COLDS

HARWOODS LABORATORIES, LTD., RICKMANSWORTH ROAD, WATFORD, HERTS.

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'Calfos,' which is derived from natural sources, supplies calcium and phosphorus in a palatable, concentrated form which ensures absorption in the correct physiological ratio.

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	Face Price Exclusive of Tax	TRADE PRICE per dozen	Purchase Tax per dozen	Minimum Retail Price including Pur. Tax
Box of 50 tablets	2/6	20/-	3/4	2/9½
Box of 120 tablets	4/9	38/-	6/4	5/3½
Box of 500 tablets	12/6	100/-	16/8	13/10½

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*COX Products have achieved a World-wide
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IN WAR-AS IN PEACE
the demand for

PILLS and TABLETS

increases all the world over !

Consult THE SPECIALISTS

ARTHUR H.

COX

& CO. LIMITED

BRIGHTON

*Manufacturing Chemists
for 103 Years*



**ACCURACY, UNIFORMITY and Dependability
in every detail . . .**

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Optabs

EYE LOTION TABLETS

Optabs forceful National Advertising—now the most extensive of its kind—has this ready seller in the front rank of profitable lines. Throughout the country Optabs Eye Lotion Tablets paying quick dividends to who stock and display them. Take advantage—of one of these big parcels.

3 Generous BONUS Parcels



- NO LIMITATION
- ATTRACTIVE PACKS
- EXCELLENT SHOW MATERIAL
- BIG PROFITS

● IMMEDIATE DELIVERY

NEW POLICY. It is our wish to do all business through the wholesale trade. This fact, combined with shortage of office staff, compels us to decline to open further credit accounts with retail pharmacists. WHEN ORDERING, THEREFORE, PLEASE BE GOOD ENOUGH TO SEND CASH WITH ORDER, OR STATE NAME OF WHOLESALE TRADER TO WHOM GOODS SHOULD BE INVOICED.

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10d. size packed in attractive show outers containing 3 dozen each.

Cash with Order Discount 5%. This discount has been deducted in the above parcels.

Each batch of Optabs is tested bacteriologically so that one tablet when dissolved in 10 cc. Normal Saline will give a standardized broth culture of Haemolytic Streptococcus, Non-Haemolytic Streptococcus, Pneumococcus, Staphylococcus Aureus, Micrococcus Catarrhalis, Morax-Axenfeld Diplobacillus and Koch Weeks bacillus, which are common invaders of the ocular mucous membranes.

BS LTD., 24, 26, 28 CHAPEL STREET, BRADFORD, YORKS, Telephone Bradford, 10339

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offer the following well-known and popular

FACE POWDERS

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Retail 2/11 per 1-oz. Box

JEANNE ET CIE

30/- per doz. + 20/- Tax
Retail 5/2 per 2-oz. Box

THESE POWDERS ARE AVAILABLE IN SIX SHADES: NATURAL, PEACH, RACHEL, DEEP PEACH, OCHRE AND SUNTAN, AND ARE PACKED IN NEAT AND ATTRACTIVE BOXES

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SAMUEL YATES LTD.
SHUDEHILL :: MANCHESTER

SYM Reliable Seeds
SAMUEL YATES
SHUDEHILL, MANCHESTER. 4

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Razor Blade Sharpen

Trade terms 12/6 per doz.
plus purchase tax
Retail at 2/3 (inc. tax)

Solves the blade shortage. This seller is catching on. It meets a need of the day. 100 per cent efficient. Simple to use. Every one will want one. Attractive counter display holds 3 doz. From Wholesaler.

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VANISHING CREAM

Prepare your own supplies of this high-grade Vanishing Cream. Easy to make up, costs less than 3d. per oz.

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INSTRUMENTS, APPLIANCES
AND CHEMISTS' SUNDRIES**

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**S. MAW, SON & SONS, LTD.
ALDERSGATE HOUSE,
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TELEGRAMS: ELEVEN, BARNET

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Reg. Trade Mark
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of Experts

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Also Household, Bath
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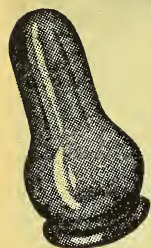
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LEEDS



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and valves produced from
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They are:

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- ★ DURABLE ★ TASTELESS
- ★ ODOURLESS

Each Teat is examined and sterilised before packing in cellulose envelope. Obtainable from all wholesalers.

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TOWELS**

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Output of Saccharin

and Aspirin Tablets sold for some months ahead

SILSDEN, Nr. KEIGHLEY, Yorks.

The Latest Triumph in OINTMENT MILLS *Super Speedy Mill*

IN REGULAR USE ALL OVER THE WORLD

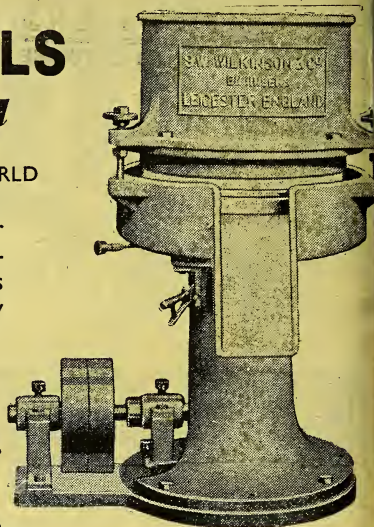
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Each Machine incorporates Thirty Years' Accumulated Experience

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LEEDS BRIDGE WORKS *Provedes Milling Specialists* LEEDS 10

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Specialists in modern equipment for manufacturers i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bories, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

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Telephone: 51580 Headingley. Telegrams: Isaac Webster, Kirkstall.

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(In co-operation with the Scottish Association of Opticians) will be opened on

MONDAY, 7th SEPT., 1942

at 7.15 p.m.

FOR A SESSION OF 32 WEEKS AT

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NEW SESSION BEGINS 21st September, 1942

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Due to shortage of supplies, combined with the curtailment of our staff, we wish to assure our many trade friends that we are using every effort to maintain an equitable distribution of our Products.

Please Note

- 1st. All Orders are forwarded in strict rotation and we are now 5-6 weeks behindhand in delivery.
- 2nd. Due to the position, all additions can only be treated as separate orders

Sugar Confectionery Order

All our products are Medicinal and not subject to the above order, and as such, are subject to Purchase Tax. Our printers have in hand a range of formula labels to meet the requirements of customers who retail goods from bulk parcels—these will be supplied at a nominal charge.

Thos. Guest & Co. Ltd. *Manufacturing Chemists*

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CHELSEA POLYTECHNIC
S.W.3

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Recognised Courses

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*Pharmaceutical
Examinations*

commence on

September 21st

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FEES: £8 per term

*Prospectus free on application
to the Principal*

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Beaulah's

**FAMOUS
MALTED
MILK**

**FOR ALL THE PEOPLE
WHO WANT IT**

Our policy therefore is to endeavour
to maintain supplies to our regular
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In three popular sizes only during
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BOSTON, Lincs.**



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Hand Picked Tinnevelly

2/6 1 lb.

14 lbs. at 2/4

28 lbs. at 2/3

1 Cwt. at 2/2

Complete Bale (400 lbs.) 2/-

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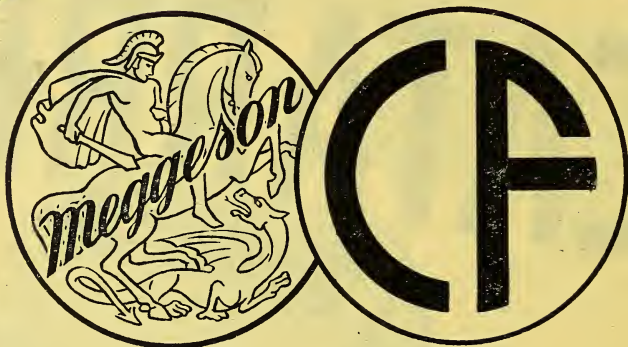
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NEWS OF THE WEEK

Sweets Ration Temporarily Doubled.—For a period of eight weeks from August 23 the weekly ration of sweets is increased to 2oz. per head.

Gift of Headache Powders.—A gift has been made to Darwen League of Social Service of 3,000 Cephos powders and 3,000 tablets by Mr. H. V. Miners, a principal of the Cephos concern.

Vitamin Advertising to Cease.—An agreement has been reached by which manufactured food products containing vitamins shall be given no further publicity, either by Press advertising (except "goodwill") or window display, until after the war. See editorial comment, p. 225.

Herbs for Prisoners of War.—The British Red Cross Society has received requests from British Prisoners of War for culinary herbs, and is now including dried herbs in prisoners' parcels. Gifts of herbs, either roughly-dried or powdered, are invited by the Society at Pottery Street, London, S.E.16.

Change in Scottish Call-up Method.—A new procedure is to be adopted in North Scotland to facilitate representations by Insurance Committees about the call-up of chemists. Previously proprietors and managers were called up without Insurance Committees being notified. Now the Committees are to be informed beforehand.

In the Courts.—Three other offences were taken into account when William Boardman, engineer, Bramar Road, Fallowfield, was sentenced at Blackpool, on August 14, to six months' imprisonment for the theft of an automatic weighing machine, value £50, from outside a pharmacy on the Promenade. He had arranged for its sale beforehand, it was stated.

D.D.A. Authority Restored.—The Home Secretary has suspended, from July 31 until further order, the direction that it should not be lawful for Herbert Cecil Duckworth to give prescriptions for purposes of the Regulations made under the

Dangerous Drugs Act, 1920. The effect of the suspension is to restore to him the authorities granted by the Regulations.

Eire Insulin Supplies.—Insulin and certain other glandular drugs, the supply of which is limited in Eire owing to the war, are to be made from glands collected from abattoirs throughout that country. A scheme for provision of the necessary raw material is being drawn up in consultation with the Department of Agriculture.

Inquests.—At Cleethorpes, on August 24, a verdict that he died of an overdose of quinine and aspirin, taken deliberately while the balance of his mind was disturbed, was returned at an inquest on Kenneth Loy. —A verdict of suicide while the balance of his mind was disturbed was returned at an inquest on David Crowden, M.P.S., Penrith, recently. His widow acknowledged assistance received from other local pharmacists.

Phos-Vita Tonic.—At Liverpool Police Court, on August 12, John Elliott, grocer, 561 Prescott Road, Liverpool, was summoned for having given with a liquid tonic, Phos-Vita, a label calculated to mislead as to the nature, substance or quality of the tonic. Elliott alleged that any contravention was due to the act or default of James Peter Forrester, trading as Phostonic Co., 10 Cowley Hill Lane, St. Helens, who was also summoned. The case against Elliott was dismissed. Forrester was fined £5.

Control of Metal Collapsible Tubes.—To effect economies in tin and lead, the Minister of Supply has made a new Order, operative from August 31, limiting the types of commodities that may be packed in metal collapsible tubes for distribution in the home market, and restricting the sizes and types of tubes and weights of caps that may be used for packing the listed commodities to those specified in the British Standard Tubes Schedule (No. 1049, 1942). The marking of tubes and caps also will be limited from September 1 to a single passing through a coating or printing machine. The Order is the Control of Metal Collapsible Tubes (No. 1) Order, 1942. Copies (price one penny) may be obtained from H.M. Stationery Office, York House, Kingsway, London, W.C.2.

Purchase Tax on Fancy Goods.—The following decisions regarding the liability of certain articles to tax are published as supplementary to those already given in Notices No. 78 and No. 81. Class 16 (b).

Chargeable at 66 $\frac{2}{3}$ per cent.: Blotters and writing compendiums in padded covers or in covers embroidered, painted, or otherwise decorated by hand. Class 10. Chargeable at 66 $\frac{2}{3}$ per cent.: Writing compendium of leather, hide, or skin. All other blotter and writing compendiums are chargeable at 33 $\frac{1}{3}$ per cent. under Class 21. Class 16 (b). The Commissioners have decided that articles of fancy woodware for ordinary household use, e.g. tableware, will not be regarded as chargeable under this heading solely on the ground that they are made of walnut or other wood, but all other tests of liability under this heading continue to apply.

Pharmacy Act Cases.—Thomas and Ellice Smith, florists, 38 Albert Road, Colne, were fined £2 2s. and costs, at Colne, on August 17, for selling "auto shreds," a nicotine preparation, without keeping an entry, for not storing the poison in a private place and for not labelling it as required by the regulations. The defence offered was shortage of staff.—At Worthing, on August 17, Desmond L. Day, 63 Chapel Road, was fined £2 10s. and costs on each of two summonses of having sold poison (Antikamnia tablets) to an unauthorised person and without labelling it in the manner prescribed. It was stated that Day held the qualifications of the Pharmaceutical Society of Ireland and had applied for registration in this country.—Similar fines were imposed at the same court on Edwin Elms, 73 Chapel Road, in respect of a sale of Veganin tablets.

Sector Scheme Modifications.—Directions by the Minister of Food, which provide legal sanction for the Sector Scheme for whole sale distribution, came into effect on August 23. The Ministry's note No. 2 gives details of additions to the list of foodstuffs not covered by the scheme. These include animal feeding-stuffs; wine and spirits; dried milk, if distributed directly by the Milk Powder Pool, Ltd., to schools, hospitals and other institutions, or if distributed under the National Milk Scheme; essences, flavourings and colourings; saccharin; salt, if distributed in bulk loads of five tons or more to any one buyer at one address; vinegar, if distributed in quantities of twelve gallons or more and in cases of not less than five gallons capacity, to any one buyer at one address; and yeast. The items "Chemicals" (other than salt, baking powder, cream powder and aerated powder) and "Sugar" have been omitted from this new list of exemptions.

TOPICAL REFLECTIONS

Quinine on the Shelf

The use of quinine in this country for cases of malaria may reasonably be described as negligible; it is therefore obvious that the new Control Order referring to it and to associated drugs (pp. 199, 203) is designed to build up supplies for such emergencies as may arise from war conditions. After looking through "Pharmaceutical Formulas," Vol. I, I have come to the conclusion that the formulas affected by this drastic requirement run into three figures: this means that manufacturers, wholesalers and retailers in the United Kingdom are compelled to change formulas and labels in countless instances. Members of the drug trade are not lacking in patriotism, and will willingly shoulder this additional burden. As a matter of fact, the employment of quinine in medicine has of late years tended to become an act of routine—in other words, to be adopted without regard to the fact that, in the words of the British Pharmaceutical Codex, "any people show 'a marked idiosyncrasy' to this 'general protoplasmic poison.'" It is probable, too, that self-prescribing of it has been excessive over a considerable period. Medical science can no doubt suggest alternatives for general use: whether they will "catch on" is a separate question.

Army Pharmacists' Manifesto

A news paragraph headed "Army Pharmacists' Meeting" (p. 186) shows that the younger generation is, in Ibsen's phrase, knocking at the door." Everyone must welcome the action of these Army pharmacists in meeting and passing resolutions, or who have a better right to express views on the policy of pharmacy than pharmacists who are fighting in defence of their country? The first of the two resolutions, relating to the work of the Central Pharmaceutical War Committee, will meet with general agreement. The second calls for more consideration. Its preamble suggests that a state of "chaos" would result from any attempt to return to pre-1939 ideas during post-war years," a pointed way of saying that the world does not stand still; then "urges the Council to support any moves for a State Medical Service in which the pharmacist would play his rightful part." In your issue of June 27 you published passages from a report of the Medical Planning Commission of the British Medical Association and from a memo-

randum prepared jointly by the Pharmaceutical Society and the National Pharmaceutical Union, both of which dealt with the health of the nation and the part that medicine and pharmacy should take in improving it. In these documents the possibility of a State Medical Service being set up was taken into account. Without knowing whether the supporters of the Army pharmacists' second resolution had read these important pronouncements, we can only take their statement at its face value. It can be readily understood that thoughtful men who have enlisted and have felt the benefits of an ordered existence free from the petty cares incident to a life of competition in the open market are favourably disposed towards a future in which the broad lines of conduct would be laid down for them in advance. The crux of the matter is to be found in the phrase "the pharmacist would play his rightful part." No doctrinaire prepossession ought to hold us back if we were convinced that in some proposed State service pharmacists would indeed play their rightful part. If! There is the point. I may suggest to the promoters of the resolution that a long-term policy, desirable as it is, should not be too far-reaching nor too rigid.

Advice at the Counter

With a certain weariness one reads that for the nth time a medical man has been airing his views on the chemist's right to advise, with or without medicine, at the counter (p. 200). Your searching editorial comment emboldens me to cut out this gentleman's "cackle" and come to his "sosses," namely, that the way out of this "embarrassing position" is (a) to restrict sales of "drug preparations" in shops to toilet goods; (b) to require a doctor's prescription for the sale of all medicaments; (c) to confine retail trade in drugs to pharmacists and their assistants. Is this a serious prospectus? For (a) no qualification is requisite; the condition of (c) is already met by the inspection of pharmacies; so we are left with the idea in (b), that counter sales of medicaments should be abolished in favour of dispensing. The answer to the author's ingenuous question about chemists, in doubtful cases, sending customers to their "business competitor—the dispensing doctor"—is that chemists have made it their rule, and those who follow will make it their rule, to do this. Pharmacy is a profession as well as a business.

Xrayser

TRADE NOTES

Agents Wanted for Seeds.—A few more agents are invited to take up the sale of Sym reliable seeds. Chemists interested should write for full particulars, including a note on the type of business, to Samuel Yates, Ltd., Shudehill, Manchester.

Stocktaking.—Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, announce that their warehouses will be closed on Monday, August 31, for the purpose of stocktaking; only emergency orders can be executed on that day.

Expired Carton Patents.—A warning to chemists by Boxfoldia, Ltd., Bournbrook, Birmingham, against being misled by long-expired patent and registration numbers on the cartons of certain manufacturers, is given on another page of this issue.

Size Range Reduced.—To conserve materials and labour and to ensure the prompt dispatch of orders, Therapeutic Products, Ltd., Perivale, Middlesex, are concentrating on packing of the tin of Kalzana calcium-sodium lactate containing 108 tablets. Wholesalers have adequate stocks.

Percaine.—Ciba, Ltd., have recently issued a 52-page brochure on their synthetic local anæsthetic Percaine. The publication contains a comprehensive survey of the pharmacological properties and clinical applications of the product, together with instructions on various techniques of administration.

Bromides from Palestine.—Inquiries are invited for supplies of potassium and sodium bromides for export to the near and far east and Australasia by Palestine Potash, Ltd. The sole selling agents are C. Tennent Sons & Co., Ltd., London, but inquiries should be sent to Howards & Sons, Ltd., Ilford, Essex; May & Baker, Ltd., Dagenham, Essex; or Whiffen & Sons, Ltd., Fulham, London, S.W.5.

Not Sugar Confectionery.—Arthur H. Cox & Co., Ltd., Brighton, issue a reminder that Chestnuts brand and chest and lung tablets are no longer regarded as sugar confectionery, but have been classified as medicinal preparations. Coupons should not, therefore, be accepted when sales are made. Sales are restricted to small quantities, and to customers who have been regular purchasers.

Press Advertising Campaign.—An extensive Press advertising campaign for Snowfire ointment is to be conducted by the makers,

F. W. Hampshire & Co., Ltd., Sunnyside, Derby. The theme of the series will be the importance of an antiseptic application in dealing with minor injuries made more prevalent by war work. Media for the campaign include London evening papers, provincial dailies and weekly illustrated papers.

Curacho.—Chemists have been experiencing some difficulty in obtaining the well-known oil-less embrocation of law, but in future there should be no difficulty in obtaining supplies through the usual wholesale channels. Mr. C. Findon Water, proprietor of the Curacho Co., Ryecroft Road, Courthill Road, Lewisham, London, S.E.13, informs us that the company has now been registered for purchase tax, and on another page of this issue are published the wholesale and retail prices (protected under the P.A.T.A.) of the preparation.

Essential Oil Preservative.—Problems of rancidity, oxidation and colour-darkening in essential oils may be more acute under present conditions, owing to longer times taken in transit to this country, unsuitable storage aboard ship resulting from lack of shipping space, and even possibly by less thorough methods of production in the countries of origin. Assistance in solving such problems is offered by M. Aguirre Hidalgo (London), Ltd., 39 Eastcheap Street, London, W.1, who have perfected a preservative for essential oils, including extracted citrus oils; the preservative can also be used for edible and non-edible fixed vegetable oils. Another reagent nullifies the effects of rancidity and oxidation when they have occurred. Dealers in and users of essential oils are invited to send samples to be analysed free with a view to ascertaining the appropriate method of countering the defects mentioned.

Business Changes

MR. J. J. McEWAN, M.P.S., has taken over the business of the late Mr. S. Wylly M.P.S., 11 Airth Place, Mossspark, Glasgow.

THE pharmaceutical business of the late Mr. W. J. Campbell, M.P.S., 161 Argyle Street, Dunoon, is to be sold as a going concern.

ORZONE (SCOTLAND), LTD., 70-72 Vincent Road, Glasgow, have applied for licence to open premises at 369 Cathcart Road as a health-food, medical herbals and toilet goods shop.

PROPRIETARY ARTICLES TRADE ASSOCIATION

Additions to Protected List.—*Bio-Colloids*, d. S.D. 2, No. 3 cream, 6s., 48s. doz., tax doz., inclusive retail price 6s. 8d.

The Curacao Co. Curacao Waters' oil-less lubrication, 3-oz., 2s., 18s. doz., tax 3s. doz., p. 2s. 3d.; 6-oz., 3s., 27s. doz., tax 4s. 6d. doz., i.r.p. 3s. 4½d.

Dymuth, Ltd. Dymuth powder, new size, inrinkler drums, 2-oz. approx., 6d., 50s. gross. Exempt from purchase tax.)

Lintox, Ltd. (Distributors: *A. F. Sherley Co., Ltd.*) Lintox, new size, 6s. 6d., 52s. doz., x 8s. 8d. doz., i.r.p. 7s. 3d. 3s. size withdrawn.

Modern Health Products, Ltd. Vecon vitamin in broth, 2s. 3d., 20s. 3d. doz. (Exempt from tax.)

Moore Medicinal Products, Ltd. Brovon xir, 4-oz., 6s., 48s. doz., tax 8s. doz., i.r.p. 8d.

Peat Products (Sphagnol), Ltd. Sphagnol aying soap, refills, 5 per cent., 1s. 0½d., 9d. doz., tax 2s. 7d. doz., i.r.p. 1s. 3d. Sphagnol ointment, 10 per cent., ½-lb., 4s. 1½d., s. doz., tax 6s. 2d. doz., i.r.p. 4s. 7½d.; 1-lb., 2½d., 65s. 3d. doz., tax 10s. 10d. doz., i.r.p. 1½d. Sphagnol veterinary ointment, 1-lb., 9d., 51s. doz., tax 8s. 6d. doz., i.r.p. 6s. 5½d. Subject to usual bonus terms. Manufacturers suggest that standard 15 per cent. medical soap should be supplied in place of veterinary medical soap, which has been discontinued for the duration of the war.

Pharmaceutical Specialities (May & Baker), Ltd. M. & B. 693 soluble, boxes of 1-gm. ampoules, 6s. 6d., 52s. doz.; boxes of twenty 1-gm. ampoules, 25s. 6d., 17s. each.

Wright, Layman & Umney, Ltd. Tetmal, 1s., 7s. 3d. doz., tax one-sixth, i.r.p. 1d.; 100s., 9s., 65s. doz., tax one-sixth, i.r.p. 9s. 11d. Blacfrutex, 3-oz., 1s. 6d., 9s. 9d. doz., tax one-sixth, i.r.p. 1s. 7½d.

Alterations.—*Aimée Lloyd & Co. (1933), Ltd.* Lintex, 1s. 1½d., 9s. doz., tax 1s. 6d. doz., i.r.p. 3d.; 1s. 6d., 12s. doz., tax 2s. doz., i.r.p. 8d.

Bio-Colloids, Ltd. S.D.2 liquid colloid, 7s. 4d., 63s. doz., tax 10s. 6d. doz., i.r.p. 8s. 9d.; 3s. 3d., 114s. doz., tax 19s. doz., i.r.p. 15s. 10d. Prices of the 2s. 3d. and 4s. 6d. sizes S.D.2 liquid colloid remain unchanged.

Clay & Abraham, Ltd. Iodine Pen brand, 1s. 6s. doz., tax 1s. doz., i.r.p. 9d.; 3 doz., carriage paid, 5s. 6d. doz.

Cow & Gate, Ltd. Cow & Gate full-cream and half-cream foods now supplied in cases containing 2 doz. instead of 3 doz. tins as formerly, carriage paid.

Evan Williams Co., Ltd. Prices in Eire: Coconut oil shampoo, 5d., 3s. 2d. doz., ordinary, 1s. 11d., chamomile and dry shampoos, 6d., 44s. 6d.; shampoo Bleu and graduated shampoo, 1s. 6d., 12s. 6d. doz.; Tunisian shampoo, 2s., 1s. doz.

Fasteeth, Inc. (Agents, *A. J. White, Ltd.*) Cleveland's Fasteeth dental fixative, 6d., 4s. doz., 2s. 3d., 18s. doz. (Exempt from tax.) 1s. 6d. size withdrawn.

Iglodine Co., Ltd. Iglodine ointment, 1s. 2½d., 9s. 6d. doz., tax 1s. 7d. doz., i.r.p. 1s. 4d.; 2s. 6d., 20s. doz., tax 3s. 4d. doz., i.r.p. 2s. 9d.; 3s. 9d., 30s. doz., tax 5s. doz., i.r.p. 4s. 2d.; 5s. 4½d., 43s. doz., tax 7s. 2d. doz., i.r.p. 6s.

Jests, Ltd., c/o Ex-Lax, Ltd. Bonus to retailers of 2½ doz. free and 2½ per cent. cash in seven days on orders value 54s. withdrawn. 2s. size discontinued.

Bob Martin, Ltd. Bloom shampoo, 3s. 7d. doz., tax 1s. 2½d., i.r.p. 6d.

Moore Medicinal Products, Ltd. Brovon pocket inhaler, 15s., 10s. each. (Exempt from tax.)

Oatine Co. Display bonus of 17½ per cent. and 5 per cent. for cash with order on parcels value £5 gross withdrawn.

Pharmaceutical Specialities (May & Baker, Ltd.). M. & B. 693 powder, containers of 15 gm., 4s. 6d., 36s. doz.

Potter & Clarke, Ltd. Window-display bonus of 5 per cent. on six doz. assorted asthma and catarrh preparations withdrawn. Prices in Eire: Dr. Thompson's dandelion coffee, 1s. 6½d., 13s. doz.; 2s. 5d., 22s. doz., 4s. 1½d., 38s. doz. Dr. Thompson's dandelion-coffee essence, 1s. 3d., 11s. doz.; 1s. 8½d., 15s. 6d. doz.

Western Dental Manufacturing Co., Ltd. Neoklor in tablets, 100, 4s., 36s. doz., tax 6s. doz., i.r.p. 4s. 6d. Neoklor in tooth-powder, 2s. 6d., 22s. 6d. doz., tax 7s. 6d. doz., i.r.p. 3s. 1½d.

Wright, Layman & Umney, Ltd. Wright's malt extract with cod liver oil, 1-lb., 2s. 2d., 19s. doz.; 2-lb., 4s., 35s. 6d. doz. Wright's malt extract with cod liver oil and iron, 1-lb., 2s. 4d., 19s. 6d. doz.; 2-lb., 4s. 7d., 36s. 9d. doz. 4-lb. sizes temporarily suspended.

Corrections.—*Voltas, Ltd.* Address is Gem Works, Southall, Middlesex, and not as published in the Supplement to Protected List, 1942.

Northam Warren, Ltd. Odorono liquid (regular and instant): Purchase tax at 3½ per cent. and not as stated; retail selling prices, including tax, 7½d. and 1s. 11d. 2s. 6d. sizes of Odorono liquid and cream suspended.

Deletions.—*Beechams Pills, Ltd.*, Lactopeptine elixir.—*Chatelain Preparations*, Pageol; Sinuberase; Linycol.—*Clay & Abraham, Ltd.*, Canda iodine locket.—*J. E. Ellis, Ltd.*, Daisy tablets, 6d. size.—*Harkness, Beaumont & Co., Ltd.*, Sunray vitamin cream, 8-oz. and 16-oz. sizes.—*Jackel et Cie (of Paris), Ltd.*, Odelux.—*Lofthouse & Saltmer, Ltd.*, Losall's salt, 4-oz. tins.—*Maclean's, Ltd.*, Maclean's tooth-paste, 6d. and 1s. 6d. sizes; tooth-powder, 10½d. size canister; and stomach powder, 6d., 1s. 3d., and 5s. sizes.—*D. Mawdsley & Co.*, Kubol paste.—*Menley & James, Ltd.*, Iodex skin soap.

COMPANY NEWS

FOSTER MANUFACTURING CHEMISTS, LTD. (P.C.).—Registered in Dublin. Capital £1,000. Chemists, druggists, drysalters, importers, manufacturers, etc. James Best, Suncroft, Sutton, Dublin, first director.

A. PHILIP, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in chemicals, drugs, disinfectants, toilet requisites, etc. Lawrence W. Holmes and Albert Philip, M.P.S., 75 Greenways Crescent, Shoreham-by-Sea, directors. R.O.: 365 Regents Park Road, London, N.W.3.

FABON, LTD. (P.C.).—Registered as a company limited by guarantee, without share capital. To make and give effect to any scheme for concentrating or rationalising the technical fat-producing and bone-using industries, to make arrangements with the Ministry of Food, etc. Members are classified as "nucleus manufacturers" (those who, in pursuance of any concentration scheme, continue actively to produce any of the manufactured commodities as defined in the rules of the Association), and "dormant manufacturers" (all other members). First members of management committee: Benjamin S. Adderley (British Glues & Chemicals, Ltd.); Sir Francis T. Boys (British Melters, Ltd.); Francis H. Stevens (Sheppy Glue & Chemicals Works, Ltd.); Roger Duncalfe (British Glues & Chemicals, Ltd., and subsidiary companies); William H. Hemsell (T. W. Mays & Sons, Ltd., and A. Casson, Ltd.); Herbert Hurlin (Smithfield Animal Products, Ltd., and subsidiary companies); Abraham Waddington (P. Waddington & Co., and J. Waddington & Co.); Frederick W. Coates, chartered accountant; Ernest Upton (Harrison, Barber & Co., Ltd., and Merton Bone Co., Ltd.); and Alfred C. Wyatt (John Wyatt, Ltd., and Lawson Hardys, Ltd.). R.O.: 52 Lincoln's Inn Fields, London, W.C.2.

SOFT DRINKS INDUSTRY (WAR-TIME) ASSOCIATION, LTD.—Limited by guarantee without share capital. To acquire the assets and liabilities of the Soft Drinks Industry (War-time) Association and to indemnify the executive officers of such Association against any liabilities incurred by them; to represent the soft drinks industry in its relations with H.M. Government; to assist H.M. Government in all matters affecting the industry; to carry out such duties and exercise such powers as may be assigned or given to the Association by H.M.

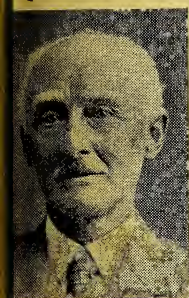
Government; to promote and administer any scheme for the benefit of persons whose business may be affected by any scheme for regulating or limiting the industry, by the requisition of property or otherwise or by war damage or war conditions. Fifteen members of the Committee (other than Government nominees): Frank D. Armstrong (managing director, H. W. Carr & Co., Ltd.), John Campbell, Benjamin F. Cotterell, William P. Dunn, Harold Eardley, Hubert C. Sandiford, Leona Speight, William D. James (managing director, Thomas Evans, Ltd.), James Joyce (managing director, Kia-Ora, Ltd.), Edward V. Marsh (managing director, Plowman, Barrett & Co., Ltd.), Eric Medlen (director, E. Wyer & Son, Ltd.), Herbert W. Port (managing director, White & Sons, Ltd.). Solicitors: J. Langton & Passmore, 8 Bolton Street, London, W.1.

KEMPTHORNE, PROSSER & Co.'s NEW ZEALAND DRUG Co., LTD.—The sixty-third annual report—for the year ended January 31, 1942—shows that the net profit for the year was £60,480. By adding the carry forward from last year, and deducting the interim dividend of 3½ per cent. paid September, £78,265 remains, which the board recommends should be dealt with as follows: Final dividend of 4½ per cent. making 8 per cent. for the year, £29,270 to general reserve, £7,175 (making £122,000 to investment reserve, £1316; carried forward, £40,495. The retiring directors Messrs. F. M. Oldham and W. Taylor were re-elected, and the appointment of Mr. J. H. Meek was confirmed.

W. J. BUSH & Co., LTD.—The annual meeting was held on August 17, when the chairman (Dr. P. C. C. Isherwood, O.B.E.) stated that during the year the company had gained a net profit of £163,278, after providing for debts in all enemy-occupied countries. £84,085 is required for taxation leaving £79,193 as net earnings, to which added £153,398 brought in, less preferred dividend, making £226,341. Directors recommended: Final dividend of 6 per cent. on ordinary shares, making (with interim dividend already paid) 10 per cent. for the year; reserve against freeholds, £8,000 reserve against possible plant obsolescence £15,000; carried forward, £178,341. The final dividend of 6 per cent. on the ordinary shares was approved.

YEovil CHEMIST'S JUBILEE

MR. ARTHUR NEWTON, M.P.S., well known in the West Country, recently completed his fiftieth year in his pharmacy at Hendford, Yeovil. The shop opened by Mr. Newton in 1892 had a small front, with one window and a narrow entrance, but was enlarged in 1912. It was again thoroughly modernised in 1937, when the business was made a limited company, under the name Newton & Co. (Yeovil), Ltd., with the founder as managing director, and his son, Mr. H. A. Newton, as a director. The three shopfronts were illustrated in an article on the business which appeared in *THE CHEMIST AND DRUGGIST*, January 21, 1939, p. 68. Mr. Newton has maintained throughout the years a personal interest in the business, and even now, though eighty years of age, he supervises the dispensary, besides being chairman of the company. Mr. Newton is a native of Cheshire, and before going into business on his own



Mr. Arthur Newton

account was for some time manager and head dispenser for Gatward & Wright at the old Medical Hall in Yeovil. Mr. Newton ends us the following account of his career and experiences leading up to fifty years' pharmacy in Yeovil:—

"My apprenticeship was served with Mr. Charles Mountain Blades, Northwich, Cheshire, for which I had to pay a premium of £105 and serve for six years, in contrast to the usual three years of today with wages in addition. I studied for the Preliminary examination under the tuition of one of the local grammar school masters. The business was varied and we made many items now bought from wholesalers, such as spt. ammon. aromat., spt. æther. nit., ferri et ammon. cit., etc. One day we went in to lunch and left the spt. æther. nit. still burning merrily, but the 'council man' turned the water off at the main without informing us, the result of this being that the whole lot went off with a bang, blowing out the shopfront and that of the shop opposite. We also undertook analyses of water, milk, and once, even, the intestines of a fox to see if it had been poisoned. It

always fell to my lot to do the dirty work on these occasions. During the fifth year of my apprenticeship the 'guv'nor' was appointed by a syndicate to investigate the boracic springs in Iceland, and collecting the necessary implements was quite a business. On his return we apprentices had to live on salt codfish for weeks!

Student Days

When my time was up I went to Dutton & Son, Rock Ferry, Birkenhead, for two years. Here I attended night classes twice a week at the Liverpool School of Pharmacy, only missing one lecture. On that occasion I went to see a lacrosse match, and immediately I opened the door on my return I saw Mr. Dutton's finger pointed reproachfully at me, "You haven't been to the class to-night." Some local fifth columnist must have given the show away! In my studies I was assisted by Mr. G. R. Lawrence, who managed a branch for Mr. Dutton at the time, while he studied for his 'Major.' I then left for full-time study at the Liverpool College, and after six months of intensive study I was successful in qualifying. The examination certificate was signed by all the examiners, including such famous names as Atkins, Gale, Greenish, Benger and Fletcher.

Early Experiences

After this I took an indoor berth at Wavertree at £1 per week for two years, followed by a time with Cooper & Co., Gloucester Road, London, S.W. Afterwards I spent another two years on locum work, and made my home with Mr. Lawrence, who had left Rock Ferry and opened a shop of his own at Rhyl. At the end of this period I took another post as dispenser to the late Mr. Maggs, Yeovil, Somerset, a business later taken over by Messrs. Gatward & Wright. After remaining in their employ for some time I was persuaded by several local tradesmen to start up on my own. This I did, and it proved the best day's work I ever achieved. I opened shop on August 4, 1892, and have therefore celebrated this year the jubilee of my own business. Although now eighty years old, I still enjoy doing a few hours' work each day at the pharmacy, besides digging for victory in the garden. In connexion with my jubilee I have received many letters of congratulation, including one from Mr. Lawrence, who is still at Rhyl."

PERSONALITIES

MR. PHILIP BROCK MARSHALL, Ph.C., 36 Elm Road, Earley, Reading, has graduated Doctor of Philosophy at London University. Dr. Marshall served his apprenticeship with Mr. H. Moorby, M.P.S., Hanley, and pursued his pharmaceutical studies at Nottingham University, gaining his pharmaceutical chemist qualification in 1939. He was awarded the Pharmaceutical Society's Rammell Studentship in 1939, 1940, and 1941.

MR. E. W. SKYRME, Ph.D., B.Pharm., Ph.C., managing director of the Shurzine Pharmacy, Ltd., Wellington Place, Hastings, is a candidate for a vacancy on the local Town Council. Dr. Skyrme is a member of the Board of Examiners of the Pharmaceutical Society and a former Ransom Research scholar. He is chairman of the Hastings Branch of the Pharmaceutical Society and secretary of the National Pharmaceutical Union Branch. Since 1940 he has been a member of the Royal Observer Corps, and he is now also an instructor in aircraft recognition to the Air Training Corps and Women's Junior Air Corps.

MR. F. WILSON MOULDS, M.P.S., 111 Foxhall Road, Nottingham, has been awarded the insignia of a serving brother of the Order of St. John. Mr. Moulds, who is a director of and works chemist in the laboratories of Newball & Mason, Ltd., has been connected with first-aid work in the City for forty-one years, and holds the rank of Corps Superintendent in the Nottingham Corps of the St. John Ambulance Brigade. Since the outbreak of war he has acted as vice-chairman of the County Red Cross and St. John War Organisation. He is a past-chairman of the Nottingham Branch of the Pharmaceutical Society.

DEATHS

CROWDEN.—At Penrith, recently, Mr. David Lewthwaite Crowden, M.P.S., 58 Castlegate, aged forty-seven.

DICKSON.—At his home at Cambridge Street, London, S.W.1, on August 5, Mr. John Dickson, pharmaceutical chemist, aged eighty. Mr. Dickson was born in Dumfries and educated at Dumfries Academy, where he was a contemporary of J. M. Barrie, the dramatist, with whom he formed a friendship that continued when they both started work in London. Mr. Dickson served his apprenticeship at the pharmacy of Carru-

thers & Allan, Dumfries. Subsequently went to London to study at Muter's College at which he later became an examiner. was entered on the register of the Pharmaceutical Society on December 15, 1888, becoming a Member of the Society February 1, 1888. His first post in London was with Jolley's, Mayfair; after a short period there he obtained a post with Al & Hanburys at their branch at Vere Street, London, W., where he remained for three years until his retirement some years ago. Mr. Evans, the present manager of the pharmacy, writes about Mr. Dickson: "He was in charge of the dispensing department at Vere Street for over forty years and many pharmacists both at home and abroad attribute their pharmaceutical *finesse* to his 'post-graduate' teaching. His practised eye detected the minutest speck in a solution, and no varnished product with the mark of the drying slab passed him. The assistants referred to him among themselves as 'Dicky,' and no man was better loved or more assiduously followed. The marks of his personality will remain so long as 'Vere Street' continues to function."

HEATLEY.—Recently, Mr. Robert Heatley, M.P.S.I., The Square, Ennis, co. Clare.

HOUSTON.—On August 7, Mr. Frederick John Houston, M.P.S., Calday, Ashover Road, Tupton, Chesterfield, aged eighty.

ODDIE.—On August 15, Mr. Major Sidney Oddie, M.P.S., 80 High Street, Uckfield, Sussex, aged sixty-four.

WELLS.—On July 25, Mr. William L. Wells, M.P.S., 342 Langley Road, Slough. Mr. Wells qualified in 1893.

RECENT WILLS

MR. THOMAS HENRY HADEN, M.P.S., 65 The Ridgway, Wimbledon, London, S.W.19, who died on April 20, 1941, left £2,172, with net personalty £849 10s.

MR. REGINALD STAGG, 23 Woodbridge Road, Knowle, Bristol (a representative H. & T. Proctor, Ltd., chemical manufacturers, Cathay, Bristol), who died on April 17, left £1,188, with net personalty £1,048.

MR. DAVID DICKSON DOIG, Kirklee, 12 Whitehall Avenue, Stepps, near Glasgow formerly of W. & R. Hatrick & Co., wholesale druggists, Glasgow, who died on May 1, left personal estate in Great Britain valued at £7,424.

TRADE MARKS

CORRECTION

LATCA"; for medicated confectionery (5). By Charles Kent (Products), Ltd., Guiseley, near Leeds. The name of this trade mark, as given in the issue of August 22 (p. 210) was incorrect.

(From "The Trade Marks Journal," July 29)

FENSIC"; for all goods (5). By Phensic, Ltd., 68 Pall Mall, London, S.W.1. 618,481 (Associated).

PLATYLOL"; for medicinal silver salts for human consumption (5). By Rona Laboratories, Ltd., 99 Oaklands Road, London, N.W.2. 619,247.

BODTON"; for machines for sharpening safety razor blades (7). By H. A. Boddington, 17 Ashmere Grove, Brixton, S.W.2. 619,115.

DE-SELIT"; for apparatus for purifying water and other liquids (11). By The Permutit Co., Ltd., Gunnersbury Avenue, London, W.4. 618,785.

CHEMATEY" for filtering paper (16). By The Chema Manufacturing Co., Ltd., Team Valley Estate, Gateshead, 11, co. Durham. 618,187.

SASPRÉ"; for food preparations of yeast and vegetables in powder form (29). By Granto Laboratories, Ltd., 108 Mortlake Road, Kew, Surrey. 619,103.

CONVERSION OF SPECIFICATIONS

Section 36 (3) and Rules 6 to 8

II to Schedule IV (with amalgamation): No. 56,327 by Joseph Watson & Sons, Ltd.; No. 57,202 and No. 58,912 by Joseph Crosfield & Sons, Ltd.; No. 365,609 by The British Drug Houses, Ltd.; No. 365,998 by Charles Zimmermann & Co., Ltd.

(From "The Trade Marks Journal," August 5)

PEER"; for hair-waving lotions and sachets (3). By Sales Associates, Ltd., Elstree Way, Boreham Wood, Herts. 615,241.

VALOPTO"; for non-medicated preparations for the eyes (3) and for medicated preparations for the eyes (5). By Dae Health Laboratories, Ltd., 25-27 Berners Street, London, W.1. 619,272-73 (Associated).

MENTHOLLETS" on rectangular label; for boiled sweets containing menthol for sale in England (5). By R. Barnett & Co., Ltd., 53 Hartley Road, Nottingham. 614,603 (Associated).

CALMOZO"; for pharmaceutical preparations (5). By Westminster Laboratories, Ltd., 5 Chancery Lane, London, W.C.2. 619,144 (Associated).

ZIPINIL"; for disinfectants and deodorisers (not for toilet purposes) (5). By Klarzone, Ltd., 1 Red Cross Street, Preston, Lancs. 619,193.

APPLICATION AMENDMENTS

According to "The Trade Marks Journal," August 5, 1942, specification No. 615,224,

by Imperial Chemical Industries, Ltd., has been altered so as to read: "All goods included in Class 5, but not including pharmaceutical substances being glandular products."

Specification No. 617,926, by Phillips Yeast Products, Ltd., has been altered so as to read: "Veterinary preparations and substances, all consisting of or containing yeast."

(From "The Trade Marks Journal," August 12)

"CEREBOS"; for all goods (1); all goods excluding tooth-paste (3); all goods excluding saline preparations (5); all goods (31) and (32). 618,021-22-23-24-25. (Associated.)

"BISTO"; for all goods (1); perfumery (excluding soap), essential oils, cosmetics, hair lotions and dentifrices (3); all goods (5), (31) and (32). 618,026-27-28-29-30. (Associated.) By Cerebos, Ltd., Victoria Road, Willesden, London, N.W.10.

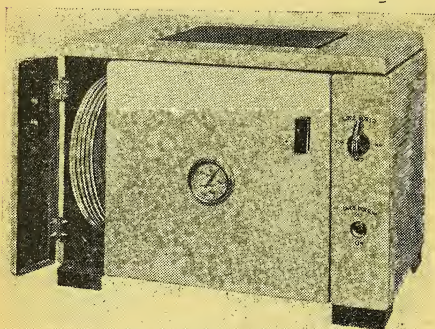
INSURANCE ACT DISPENSING

Aberdeenshire.—It was intimated at a meeting of Aberdeenshire County Insurance Committee on August 14 that the Committee will in future be notified of the proposed calling up of proprietors or managers of chemists' shops so that the members may make any representations they think fit. Dr. Robert Bruce, Cults, moving adoption of the prescribing statement for last year, referred to a slight increase in the cost per person. This, he said, was inevitable with the tax on certain drugs, and the fact that so many of the fit men were away and they were dealing with a good many people who were not fit, people with war disabilities, and old people.

Southampton.—At a meeting of the Insurance Committee, recently, a letter was read from the local Trades Council urging that chemists' shops should remain open until a suitable hour each evening to enable workers to have prescriptions made up. The chairman stated that "contract" hours were from 8.30 a.m. to 7 p.m., that there was a rota of chemists who would dispense after 7 p.m. prescriptions marked "Urgent," and that no complaints about working hours had been received. It was resolved to notify the Trades Council that the present hours were considered sufficient. The cost per insured person in Southampton of the N.H.I. scheme was reported as 2.5d. for May, against 3.1d. for the whole of the South-western area.

DIAL THERMOMETERS

MERCURY and glass thermometers used for ovens have the disadvantages that they are easily broken and therefore costly for continuous performance, and that the temperature can only be read with diffi-



Dial Thermometer on Electrical Oven

culty. An important advance in this field is the special dial thermometer illustrated below, which is almost entirely constructed of metal and practically unbreakable. The size of the dial varies according to the capacity of the oven, the diameter generally being $2\frac{1}{2}$ in. for domestic and other small ovens, and 4 in. to 7 in. for large ovens. Having the appearance of a clock, the dial is fixed in the oven door, with a pointer moving over a scale, which can be read easily from a considerable distance. In

small-scale ovens the dial is graduated about 25° F., and also into four main sections—"slow," "moderate," "hot," and "very hot," but if required the scale can be further subdivided. A short strip attached to the dial projects through the door into the oven and this general principle is adopted for sterilising ovens, drying ovens, and other types for specific operations. The annual breakages and replacement cost is reduced enormously compared with the glass and mercury thermometers generally supplied.

The principle of the thermometers used in this apparatus—which are available over temperatures ranging from about 100° to $1,050^{\circ}$ F.—consists in using the expansion and contraction of a bi-metal nickel-iron alloy strip made into a short and sturdy close, unbroken, multi-helical coil wound in the form of a series of continuous coils of different diameter and alternating opposite "pitch," one inside the other. This operation is carried out by the use of precision machines so that a comparatively long length of strip is formed into a short inner coil, then another coil of reverse pitch wound over, followed by a third coil of the same pitch as the first coil, and so on, which neutralises all the horizontal movement. The readings have an accuracy within plus or minus 1 per cent. of scale deflection on instruments not exceeding a range of 600° F. (The instrument described and illustrated is made by the British Rototherm Co., Ltd., London, S.W.19.)

AMERICAN NOTES

Restriction on Use of Quinine.—Quinine and cinchona bark stocks held by pharmaceutical and chemical companies, botanical drug merchants, wholesale druggists, pharmacists, and others, except ultimate consumers, are reserved solely for use as anti-malarial agents by an Order issued by the War Production Board.

Proprietary Medicine Advisory Body.—An advisory committee of eleven members of the packaged medicine industry was formed recently at Washington at a meeting of the trade with officials of the Health Supplies Branch, War Production Board. Subcommittees were formed to study methods of conserving supplies of medicinal preparations, packages and containers, and to reduce the number of medical supplies.

Synthetic Rubber Patents Freed.—The patents of the Standard Oil Co. of New Jersey for synthetic products, including rubber and petrol, have been freed to the American industry on a royalty-free basis under a consent decree. The decree was filed in conjunction with the U.S. Government's anti-Trust charges that the company, with six of its subsidiaries and I. G. Farbenindustrie, the German dye trust, attempted to restrain trade and commerce in the chemical and oil industries through use of their patents. Before the decree was entered, the company, the six subsidiaries and three of its officers were fined \$5,000 each.

U.S. Army Pharmacy Courses.—An account is given in the "American Druggist"

March, p. 37) of pharmacy technician courses given to non-pharmacist recruits in the U.S. Army Medical Department. The course of instruction offered at one of six schools is for a period of about twelve weeks. So far as possible a high school education or its equivalent is demanded. Commissioned instructors are selected from officers of the Medical Administrative Corps; for the most part they are men who are registered pharmacists in civilian life. Two hours each day are devoted to lectures, and five hours to practical work. The course includes pharmacy mathematics; chemistry (elementary principles, nomenclature, and laws underlying chemical reactions; use and meaning of symbols, formulas, atomic and molecular weights); pharmacy, general and galenical (elementary pharmacy, including the use and care

of reference books, equipment, balances, weights and measures, and a study of pharmaceutical processes, solutions, solvents and vehicles; study and compounding of those preparations contained in the United States Pharmacopoeia and National Formulary with which the technician will come in contact during his practice of military pharmacy; about 125 official preparations are prepared in the laboratory); prescription study; materia medica and therapeutics (elementary anatomy and physiology; posology, pharmacodynamics, and therapeutics of drugs with which the technician will come in contact; biological preparations); and finally pharmacy administration. The course is completed with three hours devoted to the regulations governing the operation of military pharmacies.

CANADIAN CHEMICAL TRADE EXPANSION

PRELIMINARY statistics on Canadian production in 1941 in the chemicals and allied products group show a marked expansion of that industry. Production reached the record figure of \$263,488,738, 38 per cent. above that of 1940 and fully 84 per cent. above that of 1938. Construction of new plants, development of new products, and expanding payrolls were the general characteristics of the industry's operations. Increases were shown in all divisions, but the widest were in the heavy and miscellaneous groups that serve the explosives industry. Capital investments rose by more than 100,000,000 to \$315,733,000; in 1939 it

was only \$161,266,000. Ontario accounted for some 54 per cent. of the total production, Quebec for 39 per cent., British Columbia for 5 per cent., the number of plants in these provinces being, respectively, 429, 252, and forty-four. The value of exports, at \$58,700,000, was nearly double that of 1940, the principal increases being in miscellaneous chemicals, fertilisers and sodium compounds. Shipments to the United Kingdom were trebled, while those to the United States were 50 per cent. higher. The following table shows the gross value of products at the works, with comparisons with the preceding year and with the pre-war year:—

	1941	1940	1938
	\$	\$	\$
Coal tar distillation products	5,146,000	4,975,000	2,895,000
Acids, alkalis and salts	49,318,000	31,001,000	20,477,000
Compressed gases	6,307,000	4,934,000	3,754,000
Fertilisers	15,109,000	15,104,000	12,841,000
Medicinals and pharmaceuticals	36,806,000	29,571,000	24,536,000
Dyes, pigments and varnishes	38,269,000	30,109,000	24,318,000
Soaps and washing compounds	25,597,000	20,856,000	18,242,000
Pharmaceutical preparations	10,023,000	8,206,000	6,851,000
Explosives	4,597,000	3,799,000	3,181,000
Hardwood distillation products	1,914,000	1,047,000	682,000
Adhesives	3,444,000	2,789,000	1,904,000
Polishes and dressings	4,857,000	3,948,000	3,096,000
Miscellaneous	67,101,000	37,450,000	23,361,000
Totals	\$268,489,000	\$193,890,000	\$146,139,000

MEDICAL ABSTRACTS

Aneurine in Diabetes.—The effect of aneurine on the blood-sugar was studied by Kodicek ("Lancet," 1942. I. 501) in thirty-two diabetics. It was found that aneurine does not affect the fasting blood-sugar values or increase the response to insulin of diabetic patients, and the author suggests that the use of aneurine to increase the sugar-tolerance in diabetes is not justified.

Epilepsy from Use of Sulphathiazole.—The danger of applying sulphathiazole in close proximity to the brain is urged by Watt and Alexander ("Lancet," 1942. I. 493), who record five cases of epilepsy following its application near the frontal region. This epileptogenic property of sulphathiazole has been confirmed experimentally in animals, and is apparently not shared by sulphanilamide, sulphapyridine, sulphadiazine or sulphacetamide.

Administration of Sulphadiazine.—W. A. Keitzer and J. A. Campbell give details of eleven cases ("Journal of the American Medical Association," 119, 9, 701) in which they have observed various types of renal symptoms or anuria following treatment by sulphadiazine. All the patients were eventually discharged. The authors are of opinion that a false sense of security concerning this remedy exists, and that it is as toxic to the kidneys as any other of the sulphonamide group. Precautionary measures for its administration are suggested.

Sulphanilamide in Smallpox.—Wilkinson ("Lancet," July 18, p. 67) reviews 103 cases of smallpox in Hong Kong that were treated orally with sulphanilamide. He finds that the drug appears to be without effect on the toxic phase of the disease (no action on virus). It is capable in a certain number of cases of modifying the skin lesions rather as they are modified by vaccination. It is extremely effective in the treatment of many of the complications associated with the focal phase. There is some evidence that if given early in the focal phase, the drug may modify the number of the lesions, the incidence of septic complications and the degree of subsequent scarring. Fatality is reduced among cases showing septic complications.

Sulphonamides in Impetigo.—Administration of the sulphonamides in adequate dosage by mouth is stated by Schlesinger and Martin ("British Medical Journal," 1942. I. 527) to be of value in the treat-

ment of impetigo. Sulphathiazole and sulphadiazine are the drugs of choice, but where streptococci are the predominant organisms in the lesion sulphanilamide or sulphapyridine is almost as satisfactory provided adequate concentrations are maintained.

Causes of failure in the treatments carried out by the authors were (1) auto-reinfection from nose or ear; (2) chronic impetiginised fissures behind the ears or at the corners of the mouth; (3) association with a sycosis; these cases probably being examples of Bockhart's folliculitis; (4) sulphonamide resistant organisms.

Incidence of Juvenile Rheumatism.—The morbidity and mortality of juvenile rheumatism have been examined by Morris and Titmuss ("Lancet," July 18, p. 59) with special reference to its social background. Juvenile rheumatism is described as probably the greatest cause of sickness and disablement, causing 2 per cent. of deaths in England and Wales, 10 per cent. of all between five and forty-five. Mortality is declining, though more rapidly in children than young adults. Death rate varies widely and rises with degree of poverty. No evidence was found to suggest that the artisan stratum was particularly prone to the disease. Climate seemed of little importance. Correlation with overcrowding was inconclusive. The facts elucidated were held to strengthen the view that the incidence of juvenile rheumatism is involved in the whole complex of poverty.

Iron Rations.—Hæmoglobin estimate on 1,074 persons living in London and the Home Counties were made by Bingham, Dobbs, Mackay and Wills ("Lancet," July 11, p. 32). Comprised in this number were groups of children under five, schoolchildren aged five to fifteen, factory girls aged fourteen to eighteen, and women over eighteen years of age. The results showed an increasing prevalence of anæmia, and this was attributed primarily to iron deficiency, associated with deficient and ill-balanced diets. The authors recommend that the public should be educated to know the importance of iron-containing foods including meat, and that the authorities should extend schemes for supplementing the diet of schoolchildren and pregnant and nursing mothers, and should provide iron-fortified milk under the National Milk Scheme, as well as iron mixtures for babies and children.

COSMETIC AND TOILET PREPARATIONS ASSOCIATION

AN emergency general meeting of the Cosmetic and Toilet Preparations Association of Great Britain was held in London on Wednesday, July 22. There was an excellent attendance, with many members from the provinces, including Liverpool, Blackburn, Swansea, Lincoln, Leicester and Birmingham, in addition to London and nearby counties. In his address, the chairman (MR. ARCHIBALD CRAWFORD, K.C.) dealt with events leading to the formation of the association, and the activities of the provisional committee to date. He stressed the value of the service a virile association could perform for the members of the industry throughout the country, particularly at present but also in the future, when as a unit, or in concert with other bodies, it could present the collective views of the industry as a whole. Mr. Crawford praised the work the committee had done, and said they had been untiring and persistent in their efforts to improve the lot of the cosmetic industry.

Future Activities

Mr. R. L. Demuth (a member of the committee) dwelt on the future aims of the association. He stressed the corporative responsibility of members, pointing out that the greater the interest shown by the individual members of the Association, the greater would be the results achieved by the committee. It was a point of importance that the committee was composed of broad interests. It meant that every problem was examined from all angles, and that the final decision was only reached after all points of view had been considered. It was the paramount aim of the committee to see that any restrictions imposed were equitably shared. The committee fully realised that nothing must interfere with the full prosecution of the war, and the cosmetic industry would play its part in the national effort to this end. The post-war period would bring its own problems but the outline of these problems was already dimly visible. He believed that the Association should co-operate with related bodies on matters of common interest, and that constructive suggestions should be made to the Board of Trade. In this connexion the recent Board of Trade announcement on quotas, and the lifting of control from face powder and talcum, were welcome, and showed

clearly that the importance of the industry was realised by the "powers that be."

Dr. A. G. Innes gave an account of the contact made by the committee with the Board of Trade in connexion with the new regulations. He said that he had been pleased to observe a complete absence of any partiality by the Board.

Questions were asked by members on a variety of subjects, such as quotas, concentration, etc. The Committee promised to take up a number of cases and give an opinion as to the course to be adopted.

Executive Committee

The provisional committee was elected the executive committee for the remainder of the year. The executive committee members are as follows: Messrs. W. Horace Osborne (*Osborne, Garrett & Co., Ltd.*), F. L. Blackwell (*Jane Seymour, Ltd.*), Dr. A. G. Innes (*Westminster Industries, Ltd.*), A. J. Carter (*R. Hovenden & Sons, Ltd.*), Latimer Ivey, C. P. Percy (*Dearborn (1923), Ltd.*), I. Rowland James (*I. Rowland James, Ltd., Swansea*), F. C. Goddard (*Florogen, Ltd.*), R. L. Demuth (*R. Demuth, Ltd.*), F. H. Sedgwick and Miss Peta Stamp (*Luce's Eau de Cologne Co., Ltd.*). Honorary secretary: Mr. A. T. Aspin, 67 Lord Street, Liverpool. It was also decided to obtain office accommodation in London and to appoint a full-time secretary to assist and work with the honorary secretary. It was further resolved to hold the annual meeting in December.

COMING EVENTS

Tuesday, September 1

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Woodside Hotel, Birkenhead, at 7.30 p.m. Film show by the president. (Films include: "The Merseyside Conference," local picnics, comedies, a newsreel, etc.)

Thursday, September 3

WEST HAM AND EASTERN DISTRICT BRANCH, PHARMACEUTICAL SOCIETY, Golden Lion Hotel, High Street, corner of North Street, Romford, at 6.30 p.m. Meeting to discuss proposal to form a Romford Branch of the Pharmaceutical Society.



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Official organ of The Pharmaceutical Society of England, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Scotland and of other Chemists' Societies in the Empire

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The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

No Publicity for Vitamins

SOME criticism was levelled at the authorities for their tardiness in exercising control over the country's quinine stocks. The control, when it came (see *C. & D.*, August 22, p. 163), was drastic, amounting to an almost complete ban on all supplies not intended for anti-malarial purposes. A shortage now threatens of vitamin preparations, resulting particularly from a dearth of vitamin A for medical and war needs. The steps that have been taken to meet this shortage are more timely and, it may be anticipated, less disturbing to the normal channels of trade. The restrictions are, in effect, not imposed so much as invited by the Supply Ministry.

What is described as a "plain hint" has been given to the trade that manufacturers of vitamin foods should discontinue advertising these products on a competitive scale to face the prospect of legislation prohibiting such advertising. Acting on this hint, the principal manufacturers of food preparations in which vitamins are incorporated, together with certain large retailers, met and reached agreement on the policy they

would adopt. It was decided to suspend all vitamin sales promotion, including Press advertising (except "goodwill" publicity) and window display. Representatives of the Ministries of Supply and Health were present at the meeting, and it may therefore be taken that the decisions reached have the tacit approval of the Government. Certainly they were not reached before a spokesman of the Ministry of Supply had made it plain that the Government considered advertising of vitamin A products such as halibut oil to be against the national interest.

A judicious voluntary arrangement has thus been arrived at that permits legitimate needs still to be met and renders legislative restriction unnecessary for so long, at least, as the supply position remains what it is at present. Should the position deteriorate, particularly if it develops as a result of non-observance of this voluntary agreement, official action may be considered inevitable. The decision must have been a hard one for manufacturers of branded and advertised goods to take, and it is significant that it was not reached unanimously. Once taken, however, it is to be hoped that it will be unanimously adhered to, and that co-operation will also be forthcoming from other sections of the trade, including "small" retailers, who were not represented at the meeting. The trade will then demonstrate that it views its sectional interest in true perspective to the national emergency.

Towards Better Packaging

WHILE the art of presenting a package economically and attractively has made enormous strides during recent years, much still remains to be done in this connexion. Research on packaging has hitherto been carried out on a rather empirical basis, and while individual firms have made considerable progress, others, perhaps not so well equipped technically, have tended to lag behind. The present shortage of most of the materials used in packaging, and the likelihood of similar limitations continuing in the immediate post-war period, make it very desirable that some form of organised research should be applied to this problem so that makers and users of packages may

have a sure foundation on which to base decisions relating to the presentation of packed products.

Some months ago, following requests made by firms producing and using the materials from which packages are made, a meeting was held to consider the desirability of commencing some form of organised scientific investigation of packaging. The need for packaging research was emphasised and a general committee was formed to consider the question in detail. Extracts from the report of this committee, which is to be presented to a further meeting to be held on September 21, appear on p. 230. It will be noted that no attempt has been made to cover the whole of the packaging industry, only those packages made from paper, board, film and foil being generally considered. The elimination of the packages used by the heavier industries, such as the heavy chemical industry, will enable research to be concentrated on the lighter products, in which the package plays an essential part in the sale.

The committee also suggests the lines upon which packaging research should be undertaken and provides a programme of subjects suitable for investigation. It is recommended that research should be undertaken on a larger scale than was first visualised and the committee suggests an income from industrial sources of £10,000 per annum, obtainable by subscription according to the size and activities of individual members.

Cellulose Salvage

THERE is an urgent necessity, states the Minister of Supply, for increasing the supplies of cellulose. One source of this material is photographic film. Many firms have a considerable quantity of old negatives. The Minister of Supply accordingly asks that they will be good enough to search out all films which are no longer definitely required, and dispose of them to one or other of the nine processing firms which have undertaken to treat the material so as to secure the maximum recovery of both cellulose and silver content. It would be helpful to them if the films are stripped

of paper or other wrapping. The price which the firms are prepared to pay for such film is about 6d. per lb. delivered. In the case of small lots, to avoid unnecessary correspondence and accounting, senders are asked when dispatching the material to the processing firm to state whether they desire payment or leave the firm to make a contribution to the Red Cross in respect of donated material.

The wrapping paper and boxes in which the films are packed are valuable salvage and so are the wooden spools on which the film is wound and the red or green paper at the back of the film itself. All these things—the boxes, wrapping paper, spools and backing paper should be returned either to the manufacturer of the film or to a photographic dealer. They should not be sent to any of the cellulose processing firms.

Hypo-solution waste from fixing tanks is also in demand for recovery of the silver content. Firms which have any substantial quantity and do not recover it themselves are asked to communicate with one of the processing firms. It may be disposed of either untreated, or in the form of sludge (after treatment with sodium sulphide or a mixture of sodium hyposulphite and sodium sulphite).

Gestapo Against Retailers?

A CHARGE is levelled against the Board of Trade by Mr. Harold Nicolson, M.P., in the "Spectator" (August 21, p. 170), that it employs methods of inspecting shopkeepers not radically different from those of the *agent provocateur*. Mr. Nicolson is a responsible publicist and the "Spectator" is a sober and unsensational weekly. The facts on which the charge is based may therefore be accepted. They are these. A customer at a small village shop obtained certain goods without coupons after pitching a tale of woe—something about "rheumatic fever or something worse"—and after promising to send on the necessary coupons by return of post. He then revealed himself as a Board of Trade official. As a sequel the shopkeeper was prosecuted, reprimanded, and fined. The writer's comment was: "When I was told this story I did

ot believe it. . . . I explained patiently that I had for twenty years been a civil servant . . . and that I knew such things could not happen in this island." A week later, however, an almost similar incident occurred in his own constituency, and this was fully investigated, leaving him, unfortunately, in no doubt that the methods of an *agent provocateur* had been employed. It may well be that by such methods the administration of the Act is rendered more efficient.' But we are not fighting for efficiency'; they have that in Germany."

With this sentiment, and with the belief that the methods adopted by the inspector were unfair, chemists generally will be ready to agree. But it is important to understand in what lies the unfairness. The view of Mr. Nicolson is that it was wrong for the Board of Trade agent to appear in the guise of an ordinary customer. Chemists, however, who have had a longer and more intimate acquaintance with inspectors than most other traders, know that there are certain types of offender who cannot be apprehended in any other way. They are well aware of the incongruity of one type of inspector who cannot possibly be mistaken for a customer—the policeman in uniform who comes to examine the rather technical and complicated Dangerous Drugs Register. No one knows better than they that the rogue can usually hoodwink the unlearned constable, while often the honest mistake is brought to light.

It may be accepted as legitimate, then, for an inspector to resemble a customer, though it is important that he should have knowledge and understanding of the thing he is sent to inspect. What is to be condemned is the act of cajoling the shopkeeper by a tale of hardship, or by a promise of complying with formalities at a later date; the use, in fact, of any artifice to seduce the shopkeeper from a right course of conduct that he would have followed as a matter of course if his feelings had not been played upon.

The insidiousness of such practices is truly, as Mr. Nicolson points out, that they 'undermine the confidence accorded to the Government by the governed . . . the trust felt by the ordinary citizen in the

justice of the administration." Without that confidence there would be little sincerity in a fight for freedom and democracy. A first step may have been taken in the only other ultimate method of ensuring observance of the law: threats, a Gestapo, and the concentration camp.

Sugar Confectionery Retail Licensing

THE introduction of the Personal Points Scheme for chocolate and sugar confectionery has led to the discovery that, in spite of repeated publicity, considerable numbers of small retailers of chocolate and sugar confectionery in various parts of the country have apparently not been aware of the necessity for obtaining retail licences if they wish to remain in business. The Ministry of Food, therefore, urgently directs their attention to the necessity for applying at once at their local Food Office for a retail licence. The Minister is anxious that, with the introduction of the rationing scheme, trade should not be diverted from its normal channels, and he wishes to avoid hardship to individuals. He has, therefore, decided to ask Food Control Committees to give favourable consideration to all suitable applications from retailers of chocolate and sugar confectionery who can prove that they have been selling these commodities regularly since the outbreak of the war and who can claim that they did not realise they were breaking the law by failing to obtain a retail licence. Such applications should be sent to the local Food Office before the end of September. Applications which have already been refused by Food Control Committees will, if immediately sent in again to the local Food Office, be reviewed by the Committees concerned.

Commandos.—They don't land on the Continent carrying paper streamers, but every raid uses up many tons of repulped waste paper. Make sure they don't go short. Economise in the use of new paper. Use again and again old wrappers, etc., and collect for salvage all waste paper.

DIOSCORIDES IN ENGLISH

by Adest

TILL recently the old description of a classic as a work that everybody quotes and nobody reads might, with some justification, have been applied to the Herbal of Dioscorides. Mrs. Arber remarks in her well-known book on herbals (1912) that "a discussion of the botany of Dioscorides formed an integral part of almost every sixteenth-century herbal," and among these the Latin commentary of Matthioli (1554) served the purpose of a translation for the use of botanists; but the kind of knowledge thus conveyed is an indifferent substitute for a study of the text itself. Written in Greek during the first century of the present era, and for about fifteen centuries the chief authority on *materia medica*, the Herbal was copied, with an interlinear English translation, by the botanist Goodyer in 1652-55; Goodyer's manuscript awaited publication, however, for nearly 300 years, and it was only in 1934 that the late Dr. R. T. Gunther, University Reader in the History of Science at Oxford, made it available in a volume printed at the Oxford University Press. In his valuable introduction Dr. Gunther explained that for the most part he used Goodyer's diction without change, making only a few emendations in the interest of clarity. The volume comprises 959 descriptions of substances, grouped in five books, and has 396 illustrations. An appendix consists of a classified list of plants determined "with some degree of probability" in the light of modern knowledge, accompanied by notes on the drawings.

A Problem of Nomenclature

The difficulty of identifying plants by means of descriptions written long ago—a difficulty increased by the use of different names for the same plant—was experienced by Dioscorides himself. There is a modern touch in the opening sentences of the Herbal, which deal with the imperfections of then existing authors:—

"Some of these authors did not perfect their work, while others derived most of their account from histories . . . and besides this they have recorded one thing by mistake for another. Thus Niger . . . states that Euphorbia is the juice of *Chamelaiia* growing in Italy, that *Androsaimon* is the same as *Hypericon*, and that *Aloe* is a mineral growing in Judaea, and in the face of plain evidence he sets down many more such falsehoods,

which are tokens that he acquired his information not by his own observation, but had only by the false relation of hearsay."

Dioscorides claims that he has written "with very accurate diligence"; his method of study is threefold: "knowing most herbs with mine own eyes, others by Historical relation agreeable to all, and by questioning . . . we will endeavour to make use of another arrangement. . . ." The general remarks that precede Book I end with directions for the collection and storage of medicaments. They include the following sentence: "Vessels of brass will be suitable for eye medicines and for liquids and for all that are compounded of vinegar or of liquid pitch or of Cedria, but fats and marrow ought to be put up in vessels of tin." An outline of the arrangement of the Herbal was given in *THE CHEMIST AND DRUGGIST'S* Annual Special Issue in 1927 (pp. 804-5). A brief selection from the contents of Goodyer's translation will serve to indicate the gap that separates Greek *materia medica* from that of Egypt or Babylon. Especially noteworthy is the almost complete absence in Dioscorides of references to charms and to the magical operation of drugs.

Animal Remedies

Most of the paragraphs are brief. Thus the familiar substance (not quite so familiar to most readers under its Greek name) *Pneumon alopekos*, fox's lungs, is described in one sentence: "And the Lungs of a Fox, being dried, & drank, doth help the Asthmaticall; & the grease of the same, being melted, & poured in, doth assuage the paine of the eare." Again, *Kampai*, caterpillars, are dismissed with the non-committal statement: "The *Erucae*, which breed upon pot-herbes, being anointed with oyle about anyone, are sayd to save him harmlesse from the biting of poisonous beasts." Lagoos *Chersaios*, the "land" hare, enjoyed a wider range of therapeutic effect, being recommended for "the trembling that commes of a feare," teething troubles, alopecia, epilepsy and as an alexipharmic. The still lingering practice of administering a roast mouse in cases of whooping-cough finds warrant here, the delicacy being said to "drye the spittle in the mouths of children." And there is a use for *Kattumata*, old leather: "The old leather of old soles of shooes, being

urnt, beaten to powder, & soe layed on, to help burnings, intertrigines, gallings occasioned by wearing of shoes."

Vegetable Remedies

Students who have made themselves acquainted with the ideas common in herbals of the fifteenth, sixteenth and seventeenth centuries will find some striking differences on comparing Dioscorides' descriptions of vegetable materia medica with those current after the Renaissance. Thus mandragoras, mandrake, is the subject of a lengthy paragraph without any reference being made to the story of dogs being used in pulling up the root. One curious use is mentioned without commendation: "But the root is said also to soften Ivory when sodden together with it for six hours." The toxic properties of several plants are noted. Colchikon, colchicum, is described as a poisonous bulb with a pleasant taste, and its medicinal virtue is assigned to it. Uoskamos, hyoscyamus, is to be used with caution: "Three or four [of the fresh leaves] being dranced with wine do cure divers called Epialae. But being sodden with potherbs, & eaten the measure of a tryblum [platefull], they cause a mean disturbance of the sense." In the description of Elleboros Melas, black hellebore, occurs one of the few recognitions of magic:

"And they sprinkle it about houses, thinking it doth preserve from evil spirits. Whence also when they dig it, they stand praying to Apollo and Æsculapius, observing the Eagles flight, for they say he flies that way not without danger to them. For the bird causeth death, if so be he see the digging of the Hellebore: but one must dig it with all celerity, because there is an headach by the exhalation."

Non-poisonous Drugs

Turning to non-poisonous drugs, it appears that lavender had not then attained a reputation for being a potent medicine—the "hot lavender" of Shakespeare. A short paragraph informs us that it is "sharp in the taste, & somewhat bitterish, but the decoction of it . . . is good for the griefs of the thorax. It is mingled also profitably with Antidots." Discrimination is advised in selecting aloes:

"But chuse thou the pure & undeceitful, & unstonie, glittering, yellowish, brittle, liver-like, easily melted, excelling in bitterness. But the black and hard to be broken, refuse. But they counterfeit it with gum . . . some also mix Acacia with it."

In the course of a lengthy description of the pepper plant we are assured that its root

"is not Ginger, as somme have supposed." One of its qualities is that it "being anointed on with Acetum doth humble the spleen."

Mineral Remedies

The mineral substances described—a numerous group—range from gems to soot, and include three kinds of grime. One of the most interesting substances is Udor Thalassion, sea-water:

"Water of the sea, is hot, sharp, bad for the stomach . . . & if any moreover go into a hot bath of it it doth good: a bath thereof is profitable for the long continued disaffections of the body, & of the sinews. . . . It is also given for a purge by itself, or with Posca, or with wine or Honey, and after the purging, they give the broth of an Hen or of fish, for to temperate the sharpness of the gnawing."

The recipe for oxymel is difficult to classify: the ingredients are vinegar, sea salt, honey and water; when mixed, the liquid is to be brought to boiling point ten times. Oxymel of squill is not included, but there is a vinegar of squill and a wine of squill.

As is generally known, the illustrations are attributed in the main to Kratēuas, who preceded Dioscorides by about a century. They were copied about the year 512, by a Byzantine artist, for Juliana Anicia, daughter of the Emperor Anicius Olybrius, and the manuscript was brought from Constantinople to the West in the sixteenth century. A facsimile reproduction was published in 1906. In Vienna, in or about 1780, copperplate engravings of the drawings were made, and the plates were destroyed after five impressions had been printed. One of the five sets is now in the library of the Botanic Garden at Oxford. Henceforth the comparative study of herbals will be easier and more surely based.

Dehydromolised.—The announcement of the discovery of a new vitamin (W) in the bread which we are eating makes it clear that the time has come to tabulate the ingredients of the common or garden loaf. Now I have proved (in my "Calcium Carbonate Intake—Its Cause and Cure") that a man who eats four ounces of dehydromolised bread per day for forty-six days will acquire the Healthy Skin which Lands the Big Job. On the other hand, meta-grabolised bread, containing two parts vegetal to three parts glauibolin, is a less beneficial agent, owing to lack of calorific particles. This may be counter-balanced by an intake of novomethuol in the form of rectified spinach-essence.—"Beachcomber" ("Daily Express").

PACKAGING RESEARCH COMMITTEE'S REPORT

In April 1942 a meeting was held to consider the desirability of commencing some form of organised scientific investigation of packaging. At this meeting both producers and users of packages and the materials from which they are made showed that they felt the urgency of commencing packaging research in order to cope with present-day and, particularly, post-war problems. The packages discussed were those of which paper, board, film and foil form the main part. In order to study the subject in greater detail, it was decided to form a general committee, which was requested to consider the matter and to report as soon as possible. The report of the committee, of which the following is an abstract, will be presented to a general meeting to be held in London on September 21.

Recommendation.—The committee considers it essential to commence packaging research as soon as possible.

Initiation of Research.—The committee is of the opinion (1) that research should be carried out by the Printing and Allied Trades Research Association (Patra), which would set up a new department to deal with the work; (2) that financial aid from the Government should be obtained for this research.

Nature of the Research.—In view of the lack of precise knowledge of the relation between the make-up of packages and their performance in use, primary consideration must be given to painstaking and systematic investigation of elementary principles. Piecemeal study of packaging problems would be unprofitable. It is appreciated, however, that there is a large amount of empirical data within the knowledge of individual firms, and that they may be disposed to put such data at the disposal of the Association.

Special Investigation.—An information bureau and liaison service for the help and guidance of members would be set up, but the Association cannot undertake experimental work on members' particular problems without the prior consent of the committee directing the research.

Programme of Research.—A programme of research is given, in broad outline. The committee is of the opinion that the details

of the investigations and the order in which they should be undertaken are best left to consideration by an advisory panel which will be appointed by the interests concerned.

Interests Capable of Benefiting from Packaging Research.—It is considered that the following interests should be concerned in the scheme: Users of boxes, cartons, fibreboard containers and other packaging materials; paper makers and converters; makers of transparent film; metal foil manufacturers; board makers; fibreboard container makers; carton makers; card board box makers; paper bag and paper sack makers; makers of adhesives and of materials for converting paper foil and film; and makers of packaging machinery. Shortage of man-power will probably mean that not all items in the programme can be investigated at the start. For this reason the immediate programme may not interest every section of the industry outlined above and prospective members should understand that in a long-range programme of research this is inevitable. The constitution of the advisory panel will ensure that priority will be given to those problems which are of the greatest importance to packaging interests as a whole. The situation calls for a long view and the committee believes that this will be taken by firms genuinely interested in packaging research.

Administration.—The committee is pleased to report that the interest and financial support of the Department of Scientific and Industrial Research would be forthcoming. The following proposals which relate to the nature of the link with Patra, and which have the approval of the above-named Department, are considered by the committee to be satisfactory and acceptable to the Council of Patra: (a) Packaging research would be part of Patra's general programme; it would be under the supervision of the advisory panel already mentioned. The interests concerned would have adequate representation on the Council and committees of Patra; (b) firms interested would become members of Patra and subscriptions paid for packaging research would go into the general funds of Patra. The Council, on which the packaging interests would be represented, would allocate funds for packaging research to be spent under the supervision of the advisory

panel. The allocation would be related to the total packaging research subscriptions paid; (c) since packaging firms are to become members of Patra, under the terms of the Government grant, (1) all general members of Patra will be entitled to receive the results of packaging research whether they pay a packaging subscription or not, and (2) all packing members would be entitled to receive the results of Patra's other researches. This position would not cause any serious difficulty in practice. Firms in category (1) would be asked if they are interested in packaging research. If they are not, no results would be sent to them; if they are, results would be sent to them and they would be expected to pay a packaging subscription. Situation (2) would be dealt with in the same way.

Finance.—The committee recommends that the work should be undertaken on a larger scale than was at first visualised, and that an income from industrial sources of £10,000 per annum should be the aim. At the outset part of the income will not, and indeed cannot, be spent but will form the reserve necessary for future development. The committee recommends that an equitable basis of subscription related to the varying size and activities of members should be adopted. It accordingly suggests that subscriptions be based on the capital of the members according to the following scale, and should, save under exceptional circumstances, be promised for five years.

<i>Capital</i>	<i>Subscription</i>
Up to £100,000	£25
Over £100,000 and up to and including £500,000	£50
Over £500,000 and up to and including £1,000,000	£75
Over £1,000,000 and up to and including £2,000,000	£100
Over £2,000,000 and up to and including £5,000,000	£150
Over £5,000,000	£250

In conclusion, the committee reiterates the necessity for packaging research, and urges that the recommendations made in this report be given effect without delay. The committee desires to record its appreciation of the helpful attitude adopted by the Council of Patra and the Department of Scientific and Industrial Research, and for the advice and information given by Dr. F. L. Riddell, director of research, and by Mr. J. A. S. Morris, liaison officer of Patra.

Suggested Programme of Research.—The objectives include the following: To determine the protection afforded by various

packaging materials against outside conditions; to improve the protection afforded by packaging materials; to obtain maximum hygienic protection from package; to obtain most suitable design of package from strength point of view; to obtain most effective closure to package; to obtain improved methods of cutting and creasing; to obtain the optimum results from automatic packaging machinery.

CONTROL OF EXPORTS

UNDER the provisions of the Export of Goods (Control) (No. 34) Order, 1942 (S. R. & O. 1640), which comes into force on September 7, licences will be required to export the following goods to all destinations: Spectacles (including sunglasses) with frames, sides or rims wholly or partly of plastic material; the following made wholly or mainly of non-precious metals: boxes, jewel and trinket; spectacle cases; metal bulbs used in aerated water syphons; certain cork and cork manufactures, but not including stoppers fitted to filled receptacles; hearing aid appliances designed for the use of the deaf; ethyl cellulose (cellulose ethyl ether) and preparations thereof; manganese sulphate; mixtures of, or containing, potassium hydroxide or lithium hydroxide; unexposed sensitised photographic film (other than paper film).

The existing licensing requirements with respect to certain classes of goods are superseded by the provisions that licences will, in future, be required to export the following: Caps, capsules, lids, sprinkler tops, stoppers, and other closures, wholly or partly of metal, whether or not fitted to bottles, jars, cans, or similar containers, but not including closures fitted to filled receptacles; bristles of the pig, hog or boar, whether dressed or not, and bunches of knots containing such bristles; insecticides, fungicides and weed-killers containing arsenic compounds, chlorinated naphthalenes, cyanides, fluorides, metaldehyde, nicotine or its salts, petroleum oils, pyrethrum or its extracts or silico fluorides; iron oxides and pigments containing iron oxides including ochres, siennas and umbers; rotenone, roots containing rotenone, whether ground or not, extracts containing rotenone and preparations of any of the above; bacteriological products, not of a kind used solely for veterinary purposes, the following: Antigens, including toxins, toxoids, and tuberculin but not including vaccines, antiviruses, and bacteriophages. Sera, including antitoxins and antitoxic globulins.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, August 26

THE end of the usual quiet month on the London drug and chemical markets has seen no marked revival in business. Conditions are dull and appear likely to remain so for some time to come. A few export orders for crude drugs are from time to time received, and the home consuming trades continue to absorb small quantities of a wide variety of goods. Prices on the whole are unchanged, with the exceptions of a few insignificant movements, generally in an upward direction. Little of interest has occurred in PHARMACEUTICAL CHEMICALS, the only important price changes being increases in the prices of MERCURY IODIDES. No information is yet available of revised home trade prices for MERCURIALS resulting from the recent substantial advance in the price of MERCURY. As stated last week, trade in these items is practically at a standstill, and will remain so until the new schedules are forthcoming. Makers of GUAIACOLS state that limited supplies of LIQUID are now available.

Crude Drugs

Apart from the few export orders already mentioned, and a small but steady request from the home consuming trades, this section of the markets also shows little activity. Price changes are confined to small movements, generally in seller's favour, but these are of minor significance. Buyers of Japanese AGAR for general use find supplies extremely difficult to locate and are having to pay higher prices for any available material. A parcel of Curaçao ALOES is reported afloat. Practically all current supplies of ANTIMONY are being utilised for essential purposes. Prices are announced for English-grown BELLADONNA, DIGITALIS and HENBANE. BUCHU remains firm at the prices last quoted. Inquiries are reported for Canadian CASCARA SAGRADA. CHILLIES are at the lower rates noted last week. A reduction of one penny per lb. has occurred in Zanzibar CLOVES. Rather more spot demand is noted for Minas IPECACUANHA. JABORANDI is costing more in single-bale lots. Some grades of NUTMEGS are at slightly higher figures. There are offers of NUX VOMICA from India at a price above the current spot figures. Some spot

business is reported in SENEGA, but available stocks are limited. TRAGACANTH is rather firmer.

Essential Oils

Business in these products during the week has again been extremely quiet, and price changes have been few. The Import Licensing Department of the Board of Trade, in Notice to Importers No. 15, dated August 17, states that from August 3 all inquiries and applications, which should be made out in duplicate, in respect of essential oils should be addressed to the Ministry of Food, Fruit Juices, Essential Oils and Pectin Branch, Portman Court Portman Square, London, W.1.

Exchange Rates on London

There have been no changes in the exchange rates during the week. The principal ones are Bank of England fixed; New York, 4.03 dollars; Montreal, 4.45 dollars; Netherlands West Indies, 7.60 florins; Buenos Aires, 17.02 paper pesos; Stockholm, 16.90 kroner; Zurich, 17.35 francs; Lisbon, 110 escudos. Free Madrid, 40.50 pesetas; Chinese National dollar, 33½.

Pharmaceutical Chemicals

ACETANILIDE.—Prices remain at the following levels: B.P.C. crystals, 2s. 5d. per lb.; powder, one penny per lb. extra. Supplies are stated to be reasonable.

ASPIRIN.—Makers' prices steady at recent advance of twopence per lb.:

Quantity	In containers of					
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.	
	s. d.	s. d.	s. d.	s. d.	s. d.	
From 1 lb. . .	4 3½	—	—	—	—	
From 4 lb. . .	4 2½	4 0½	—	—	—	
From 7 lb. . .	4 1½	3 11½	3 11½	—	—	
From 14 lb. .	4 0½	3 10½	3 10½	3 10	—	
From 28 lb. .	3 11½	3 9½	3 9½	3 9	—	
1 cwt. . .	3 4½	3 2½	3 2½	3 2*	3 1½	8½
5 cwt. . .	3 4	3 2½	3 1½	3 1½*	3 1	
10 cwt. . .	3 3	3 1½	3 0½	3 0½*	3 0	

* 8×14 lb. and upwards in one delivery, ½d. per lb. less. Sale subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale for such quantity current at time re-sale is made, and, if powder is converted into tablets, not to sell any number at price or terms below scale current at time of sale.

ASPIRIN TABLETS.—Details of makers' current rates were given last week (p. 207).

ATROPINE.—Makers' current rates are: ALKALOID, 29s. per oz.; 4 oz., 28s. 6d.; and 25 oz., 28s. per oz. SULPHATE, 23s. per oz.; 4 oz., 22s. 6d.; and 25 oz., 22s. per oz. Package charges are: Bottles, corked, under 1 oz. or 25 gm., 4d.; 1 oz. or 25 gm., 4½d.; 2 oz. or 50 gm., 5d.; 4 oz. or 100 gm. and over, included; bottles, stoppered, under 1 oz. or 25 gm., 7d.; 1 oz. or 25 gm., 7½d.; 2 oz. or 50 gm., 8d.; 4 oz. or 100 gm. and over, included; tubes, 5-gr., 10-gr., 15-gr. or 1-gm., all 17s. 6d. per 100 tubes.

BENZYL BENZOATE.—Supplies are being reserved for medicinal use. Price is in the region of 4s. 6d. to 5s. per lb.

BORAX.—The following are makers' prices or B.P. quality: Granulated, £39 10s. per ton; crystal, £40 10s.; and powder, £41; packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards. Commercial grades, £8 per ton less.

BORIC ACID.—Makers quote as follows: B.P., granulated, £60 15s.; crystal, £61 15s.; and powder, £62 15s.; packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

BROMIDES.—Makers' prices for POTASSIUM are steady at the following figures:—

Quantity	In parcels of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
from 1 lb. . .	3 11	—	—	—	—
from 4 lb. . .	3 10	3 8½	—	—	—
from 7 lb. . .	3 9	3 7½	3 6½	—	—
from 14 lb. . .	3 8	3 6½	3 5½	3 5½	—
from 28 lb. . .	3 7	3 5½	3 4½	3 4½	3 4
1 cwt. . .	3 0½	2 10½	2 10½	2 10	2 9½
2 cwt. . .	2 11½	2 9½	2 9½	2 9	2 8½

ODIUM, 1d. per lb. extra; AMMONIUM, 3d. per lb. extra; packing extra but returnable. Net. Carriage paid in United Kingdom on minimum one-cwt. lots. Contracts over six months: each delivery against contract to be bargained at schedule rates current on day of dispatch. War-emergency clause and usual re-sale terms apply.

CITRATES.—Makers' prices for POTASSIUM, P.P., are given in table below, and prices of SODIUM, B.P., are at one penny lb. below, and AMMONIUM (SCALES), B.P., at three-pence per lb. above the tabulated prices:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
under 4 lb. . .	3 6	—	—	—	—
from 4 lb. . .	3 5	3 3½	—	—	—
from 7 lb. . .	3 4	3 2½	3 1½	—	—
from 14 lb. . .	3 3	3 1½	3 0½	3 0½	—
1 lb. to 1 cwt. . .	3 2	3 0½	2 11½	2 11	—

Prices net. All packages charged extra. It is a condition of sale that buyers shall not re-sell at prices below the ones given.

COCAINE.—Full details of makers' current quotations were given last week (p. 207).

CODEINE.—The following are makers' prices per oz. for 4-oz. quantities: ALKALOID, 38s. 3d.; PHOSPHATE, 31s. 3d.

CREAM OF TARTAR.—The price quoted by one maker is 372s. 6d. per cwt., less 2½ per cent. Another maker quotes 380s. per cwt. Supplies are reserved for medical purposes.

ETHERS (METHYLATED).—A table showing details of makers' prices was given last week (p. 207).

GALLIC ACID.—Firm and unchanged at around 7s. to 7s. 3d. per lb., according to quantity.

GLYCERIN.—Prices for small quantities are as follows: 1-cwt. drum, 86s. per cwt.; 56-lb. tin, 94s.; 28-lb. tin, 97s.; 14-lb. tin, 100s. per cwt. Subject to discount of 2½ per cent. twenty-eight days.

HEXAMINE.—Free-running crystals, in cwt. lots, would be worth about 2s. 3d. per lb.; fine crystals, about threepence per lb. less.

IODINE PREPARATIONS.—The following are makers' current quotations: POTASSIUM, B.P., 112 lb., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. SODIUM, B.P., 28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P. (powder), 28 lb., 12s. 6d.; 14 lb., 13s.; 7 lb., 15s. 2d.; 4 lb., 16s.; smaller quantities, 16s. 10d.; (cryst.) 28 lb., 14s. 6d.; 14 lb., 15s.; 7 lb., 17s. 2d.; 4 lb., 18s.; smaller quantities, 18s. 10d. IODINE RESUBLIMED, B.P., 112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d. All prices net. Any quantity delivered carriage paid in Great Britain.

MERCURY IODIDES.—Prices have been advanced, as follows: RED, less than 7 lb., 20s. 8d. per lb.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 26s. 8d. per lb.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. per lb. net, carriage paid.

METHYL SALICYLATE.—Steady at the recent advance of one penny per lb.: Five cwt., 1s. 11d. per lb.; one cwt., 1s. 11½d.; smaller lots, in bottles, 2s. 1½d. per lb.

PHENOLPHTHALEIN.—Makers' prices show no changes: Less than 7 lb., 4s. 3d. per lb.; 7 lb., 4s. 2d.; 14 lb., 4s. 1d.; 28 lb., 4s.; 1 cwt., 3s. 11d.

PILOCARPINE.—Makers' current prices per oz. are as follows:—

	1 oz.	4 oz.	25 oz.
	s. d.	s. d.	s. d.
Pilocarpine base . . .	27 0	26 6	26 0
Pilocarpine hydrochloride . . .	21 3	20 9	20 3
Pilocarpine nitrate . . .	18 6	18 0	17 6

POTASSIUM PERMANGANATE.—Makers' prices continue at: B.P., in 1-cwt. drums—From 1 cwt., 1s. 10d. per lb.; from 3 cwt., 1s. 9½d. Technical, in 1-cwt. drums—From 1 cwt., 170s. 6d. per cwt.; from 3 cwt., 166s.; from 5 cwt., 163s. 6d.; from 1 ton, 161s.; from 4 tons, 158s. 6d. Technical, in 5-cwt. drums—From 5 cwt., 161s. per cwt.; from 1 ton, 158s. 6d.; from 4 tons, 156s. 3d. Net, delivered nearest railway station in Great Britain, drums extra and returnable.

SALICYLIC ACID.—Makers' prices per lb. for quantities of from 28 lb. to 1 cwt. are as follows (sizes of containers in brackets): 2s. 2½d. (28-lb.); 2s. 3d. (14-lb.); 2s. 3½d. (7-lb.); 2s. 3¾d. (4-lb.); 2s. 5½d. (1-lb.). Prices include parcels or collapsible cartons, but other packages are charged at prices additional to those quoted.

SANTONIN.—The following are the current home trade prices: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the United Kingdom; 1-kilo packages free.

STRYCHNINE SALTS.—As noted recently, British makers' prices per oz. for home trade have been increased by 6d. Current prices are as follows:—

Compound	Under 100 oz.	100 oz. and under 500 oz.	500 oz. and over
	s. d.	s. d.	s. d.
Alkaloid, crystalline ..	3 6	3 4½	3 3
Alkaloid, precipitated	3 6	3 4½	3 3
Acetate	3 8½	3 7	3 5½
Arsenate	3 7	3 5½	3 4
Arsenite	3 8½	3 7	3 5½
Bisulphate	2 10½	2 9	2 7½
Hydrochloride ..	3 3½	3 2	3 0½
Hypophosphite ..	6 0	5 10½	5 9
Nitrate, crystalline ..	3 3½	3 2	3 0½
Nitrate, powder ..	3 3½	3 2	3 0½
Nitrate, powder, No. 2	2 9	2 7½	2 6
Phosphate	4 1½	4 0	3 10½
Sulphate, neutral, crystalline	3 0	2 10½	2 9
Sulphate, neutral, powder	3 0	2 10½	2 9
Sulphate, neutral, powder No. 2	2 7	2 5½	2 4

25-oz. containers and outer cases free; smaller packages extra. Contracts may be booked for quantities of 100 oz. and over, with rise-and-fall clause, for a period of six months. Terms net thirty days. Wholesale distributors' prices for small quantities would be dearer.

TANNIC ACID.—Values are firmly held at around 7s. 6d. per lb., with supplies in limited quantity.

THEOBROMINE.—A table showing prices of limited supplies of British-made material was given last week (p. 207).

VANILLIN.—Prices steady, without change: Ex clove oil or guaiacol, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d., carriage paid in U.K. Tins in cases returnable.

Crude Drugs

ACONITE ROOT.—No quotations are available as first-hand supplies are exhausted.

AGAR.—Supplies of unrestricted material are difficult to find at under about 70s. per lb. and some holders are asking more. Supplies medicinal are in short supply at about 45s. 50s. per lb.; bacteriological would be worked between 25s. and 30s. per lb.

ALOES.—Spot price of Cape would be in the region of 62s. 6d. per cwt. for f.a.q. and about half-a-crown more for prime quality. Shipments of Curaçao are in the region of 450s. per cwt., c.i.f. A parcel is reported afloat.

ANTIMONY.—Current requirements for essential purposes are being met. Prices are unchanged, as follows: English minimum 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude, £100 per ton delivered.

ARECA NUT.—Little is available; no prices are quoted.

BALSAMS.—Quiet conditions obtain, with prices showing no quotable changes. *Tolu*, spot, approximately 9s. 6d. per lb.; *Canada*, about 8s. 6d. per lb.; *Peru*, around 7s. 9d. per lb.; *Copaiba*, B.P., is in very short supply and high prices are mentioned for remaining lots.

BELLADONNA.—English-grown herb is quoted at around 5s. per lb.

BENZOIN.—Ordinary grade is selling slowly at from £16 to £20 per cwt., according to quality and seller. Free almondy, spot, from £30 to £40 per cwt. in small lots.

BISMUTH METAL.—High-grade metal is currently quoted at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—Fair green rounds are firmly held on spot at approximately 6s. 3d. per lb.

CALUMBA ROOT.—Any remaining small lots would be worth about 190s. per cwt. for good washed.

CAMPHOR.—Moderate business is passing. Prices are about as follows: Chinese, B.P., 11s. 6d. per lb.; crude (92 per cent.), 10s. per lb.; Japanese slabs, about 11s. 6d. per lb.

CARDAMOMS.—Conditions remain extremely quiet, with values unchanged. Aleppy green spot, about 5s. 6d. to 5s. 9d. per lb.; shipments 5s. 1d., c.i.f. Aleppy seed, spot, about 5s. 9d. per lb., 5s. 3d., c.i.f. Split seed, spot, about 4s. 9d.

CASCARA SAGRADA.—The price to users of material imported under the Lease-Lend arrangement remains at 150s. per cwt., ex store. Some inquiries are reported for Canadian, which has been offered at 185s. per cwt., c.i.f.

CHILLIES.—No changes are noted from the lower quotations mentioned last week. Spices: Zanzibar, 150s.; Mombasa, 150s.; Sierra Leone, 150s. per cwt., ex store.

CLOVES.—Quiet, with some business reported in Zanzibar on spot at 1s. 7d. per lb.; second grade, afloat, 1s. 3d. per lb., c.i.f. There are quotations for Madagascar.

COCOA BUTTER.—Maximum fixed price remains at rs. 5½d. per lb., ex factory or warehouse, except when sold under official licence.

COCONUT (DESICCATED).—The official maximum price remains at 49s. per cwt.

COLCHICUM.—Spot value of Indian corms remains in the region of 2s. 9d. to 3s. per lb., according to quantity and seller. Seed is not available.

DANDELION ROOT.—Business quiet, with spot quoted at about 140s. per cwt. When present stocks are exhausted, replenishments are not likely to be readily available.

DIGITALIS LEAVES.—English-grown leaves are offered at about 5s. per lb., with rather more biologically-tested. Portuguese, spot, in the region of 125s. to 130s. per cwt., according to lot.

DRAGON'S BLOOD.—Supplies of re-boiled are exceedingly scarce. Price would be nominal at 2 per cwt.

ERGOT.—Conditions remain extremely quiet, with no quotable price changes. Spot, approximately 6s. per lb.; shipment, about 6s. 6d. per lb., c.i.f.

GINGER.—No information has come to hand regarding maximum-price fixing by the Ministry of Food, and quotations are consequently nominal. West African, spot, 200s. per cwt.; Cochin, washed, spot, 200s.; Jamaica No. 3, spot, 180s.

GRAINS OF PARADISE.—Small supplies are available on spot at approximately 1s. 10d.

GUAIAACUM.—Natural good glossy, spot, about 9d. per lb.

GUM ACACIA.—Market quiet, with spot prices for Kordofan cleaned sorts ranging between 18s. and 180s. per cwt., according to use. Shipment, nominal at 72s. 6d. per cwt., c.i.f.

HENBANE.—English-grown is quoted at approximately 5s. per lb.

HONEY.—For particulars of revised price schedules for first-hand and wholesale transactions, see *C. & D.*, May 9, p. 527.

HYDRASTIS.—Users of supplies imported under the Lease-Lend arrangement are required to pay 22s. 6d. per lb., ex store, with an additional small charge for repacking.

PECACUANHA.—Steady and about unchanged; rather more spot demand for Minas. Rio Grosso, spot, about 18s. per lb., ex store; shipment, 16s. 3d. to 16s. 6d. per lb., c.i.f. Minas, spot, B.P., about 12s. 6d.; not quite P., 11s. 9d. to 12s. 3d. per lb. Current prices for EXT. IPECAC. LIQ., in winchester quarts.

: B.P., 1932, under three, 26s. per lb., three and under six, 25s. 6d.; six and under twelve, 25s.; twelve and over, 24s. 6d. per lb.; P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d.; six and under twelve, 23s.; twelve and over, 22s. 6d., all prices net.

LABORANDI.—Dearer. Dealers would require approximately 85s. per cwt. for single bales.

JALAP.—Dealers are now asking about 110s. 115s. per cwt. for Brazilian, according to quality.

KAMALA.—Quoted on spot at approximately 2s. 3d. per lb.

LEPTANDRA ROOT.—Lease-Lend supplies are being distributed at the fixed price of 1s. 10d. per lb., ex store.

MENTHOL.—Only small routine orders are being received. Current spot prices are as follows: Chinese, 73s. 6d. to 75s. per lb.; Japanese, nominal at 75s. per lb.

MERCURY.—Full particulars of current official prices, which range from £68 10s. to £69 15s. per bottle for quantities over 7 lb., were given in the *C. & D.*, August 1, p. 131.

MYRRH.—Supplies are poor, but replenishments may shortly become available. Aden sorts, spot, a little dearer at £17 per cwt.

NUTMEGS.—Sound unassorted West Indian grade is at about twopenny per lb. over last week's price, i.e. 2s. 2d. per lb.; other qualities are unchanged as follows: Wormy and broken, 1s. 10d.; 80's, 2s. 6d.; Eastern browns, 80's, 2s. 9d.

NUX VOMICA.—Ordinary small spot business passing. Cochin, washed and garbled, spot, about 45s. per cwt. Offers of Cochin from India are in the region of 48s. per cwt., c.i.f.

OLIBANUM.—Spot, 150s. per cwt. is asked for pale pea size.

ORANGE PEEL.—Dealers' prices for thin-cut and quarters would be in the region of 3s. 3d. per lb.

PAPAIN.—Spot, 17s. per lb., nominal.

PEPPERS.—Prices are controlled by the Ministry of Food. Unpicked whole black Lampung has a maximum fixed price of 5d. per lb. in bond, and white Muntok, in a similar condition, 8d. per lb.

PIMENTO.—There are buyers on spot at 2s. 6d. per lb., but sellers are reserved in their offerings. Shipment, August–September, 140s. per cwt., c.i.f., nominal.

PODOPHYLLUM ROOT.—*Emodi*, spot, approximately 67s. 6d. per cwt. for 15 per cent.

PSYLLUM SEED.—Indian, spot, about 1s. 3d. per lb., ex store.

QUILLAIA BARK.—Supplies are restricted. Any remaining small spot lots would fetch about 140s. per cwt.

RHUBARB.—Spot demand is moderate for rough-round of good quality, which would be worth from 7s. 6d. to 7s. 9d. per lb.; lower grades would be a few pence less. Shensi, spot, 9s. 6d. to 10s. per lb.

SARSAPARILLA.—Spot supplies of native reddish are none too plentiful and would fetch about 3s. 1½d. per lb., if available.

SEEDS.—Quotations are unchanged on the week, and the market is quiet; supplies of imported items are poor. **ANISEED.**—No supplies are available, but replenishments are expected. **CANARY.**—None available. **CARAWAY.**—No supplies are available. **CORIANDER.**—Indian, spot, none available at present; English, quoted at 220s. **CUMIN.**—Malta, 165s., duty free; Indian, 165s. **DILL.**—Spot, quoted at 170s.

FENNEL.—Indian, business done on spot at 105s., duty free. FENUGREEK.—Nothing available. MUSTARD.—English, 140s. to 150s. per cwt., according to quality.

SENEGA.—There are reports of a few parcels changing hands on spot at 7s. 6d. per lb.

SENNA.—Small trade is passing at unchanged prices. Tinnevely, good hand-picked pods are offered on spot at prices ranging from 1s. to 1s. 4½d. per lb.; ordinary, from about 10½d. to 1s. 2d. per lb.; f.a.q., 7d. to 10d. per lb., ex store. Tinnevely leaves vary according to size and colour from about 5½d. up to 1s. per lb. Fair to medium Alexandrian pods would be worth about 3s. 9d. to 4s. per lb., and broken leaves about 1s. 3d. to 1s. 4d. per lb.

SHELLAC.—The London market has remained extremely quiet, and no changes in prices are recorded. Standard TN orange, spot, 200s. per cwt., value. Pure button, unquoted; fine orange, 240s. to 290s. quoted.

SLIPPERY ELM BARK.—Lease-Lend material is being distributed to users at 1s. 6d. per lb.; ex store. Outside supplies are difficult to find.

STRAMONIUM LEAVES.—Indian leaves are offered on spot at around 105s. per cwt.

STROPHANTHUS SEED.—Small demand. Spot, 100 per cent. Kombé, from 10s. to 10s. 6d. per lb., according to quantity.

TIMBO.—Available on spot at from 2s. 8d. to 3s. per lb., basis about 4 per cent.

TRAGACANTH.—Rather firmer. Current prices of medium grades are as follows: No. 1, white, £137; No. 2, white, £118; No. 3, white, £105; No. 4, white, £90; pale leaf, £80; amber leaf, £70; red and brown leaf, £47; red leaf, from £42; woody and hoggy, from £18, ex store.

TURMERIC.—Business slow; prices unchanged. Madras finger, sound quality, spot, 70s. per cwt., nominal; wormy, 67s. 6d.

VALERIAN ROOT.—Spot price of Indian root remains in the neighbourhood of 105s. per cwt.

WAXES.—Business has been of small importance, with values unchanged. BEES'.—Unquoted. CARNAUBA.—Fatty grey, 510s. per cwt.; chalky grey, 500s.; Primeira, 585s.

CAMPHOR (WHITE).—Any odd drums on spot would fetch around 500s. to 550s. per cwt. duty paid.

CANANGA.—Spot supplies of genuine oil are difficult to find. The price would be in the region of 70s. to 80s. per lb.

CASSIA.—Little available. Spot, good-quality from about 60s. to 70s. per lb.

CEDARWOOD.—Nominal on spot at 6s. 6d. per lb.

CINNAMON LEAF.—Level on the week at from 14s. 6d. to 15s. per lb., according to quantity.

CLOVE.—English distillers' prices vary from 15s. to 16s. 6d. per lb., according to quantity and seller.

EUCALYPTUS.—Firm and in fair demand. Spot, in limited supply, about 5s. 3d. per lb.

FENNEL.—Sweet, on spot, is quoted at around 30s. per lb.

GERANIUM.—Business in any available supplies would be by negotiation, with 80 per lb. as a possible basis.

GINGERGRASS.—Spot quotations are steady at around 25s. per lb., or a little less, according to quantity.

GROUNDNUT.—The official fixed price refined deodorised is without change at £44 10 per ton, naked ex works.

LAVENDER.—The spot value of good-quality oil would be in the region of 85s. per lb. Low grades and substitutes would be cheaper.

PALMAROSA.—The spot price is about 37s. 6d. per lb.; shipment, 30s. per lb., c.i.f.

PATCHOULI.—Spot, nominal at 70s. per lb.

PENNYROYAL.—In spot supply, with spot quoted at from 30s. to 35s. per lb.

PEPPERMINT.—In good demand, but with supplies severely restricted. Chinese, if available on spot, would fetch from 82s. 6d. to 85s. per lb. according to quantity and seller.

PINE.—Official price for pine oil as imported by the Ministry of Supply was given last week (p. 209).

SANDALWOOD.—Genuine East Indian Mysore, if available, 34s. per lb. for delivery in one-cwt. lots.

Essential and Expressed Oils

ANISE (STAR).—Genuine Red Ship in drums would be worth about 52s. 6d. to 53s. per lb., if available; tins in cases, 53s. to 54s.

BAY.—Quiet and unchanged, with spot quotation steady at around 12s. to 13s. 6d. per lb., according to quantity.

BERGAMOT.—Business in any small supplies of genuine oil that may be available would be by negotiation, on a possible basis of 100s. per lb.

BOIS DE ROSE.—Steady and unchanged on spot at around 35s. per lb.

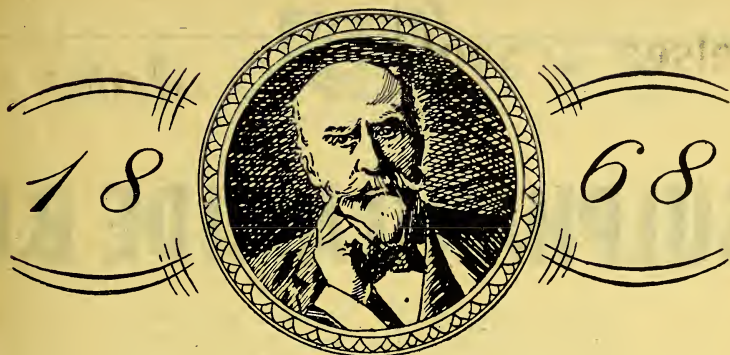
CAJUPUT.—Firm and unchanged at around 15s. to 16s. per lb., according to quantity.

COMMERCIAL NOTES

Ichthyol from Chile.—Exports of ichthyol, produced from schist deposits in the Province of Aconcagua, Chile, amounted to 40 tons in 1940.

Totaquine Restricted in U.S.A.—A conservation order has been issued in the United States controlling and regulating the use of totaquine, bringing this substance into line with the restrictions on the use of quinine. Under the new order the use of totaquine is prohibited except as an antimalarial agent.

THOMAS CHRISTY, FOUNDER



THOS. CHRISTY & CO. LTD.

To our Wholesale and Retail friends

Many and varied are the obstacles in the way of present-day production and marketing but we feel sure you appreciate our difficulties. We know that you, too, have your troubles — our representatives never tire of telling us about them.

A great many things are responsible for the delay in the execution of your orders.

You know what they are — an ingredient becomes unobtainable and we are forced to find a substitute; re-arrangement of formulæ, necessitating experiments; procuring alternative containers or bottles according to availability of supplies, quite apart from the shortage of labour, packaging, etc.

The position is not helped by recent legislation affecting label wordings for both Pharmaceutical and Toilet articles.

Nevertheless we wish to assure all our customers that everything possible is being done to expedite deliveries having regard to war-time limitations.

Your orders have not been overlooked but are carefully recorded and are being dealt with in strict rotation.

Our recent announcement in this Journal gave information regarding the position of certain of our products and we hope that this and further particulars we shall give shortly will save our customers time and correspondence.

*Thos. Christy & Co. Ltd.*OLD SWAN HOUSE, CASTLE STREET,
FARNHAM, SURREY



REGD. TRADE MARK

SULPHANILAMIDE B.P.

Made by
THE GEIGY PHARMACEUTICAL Co. Ltd.
 National Buildings, Parsonage,
 MANCHESTER, 3.

GUMS

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and

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PURE EXPORT DRUGS

B R O M I D E S

(Ammonium Potassium and Sodium B.P.)

now produced in PALESTINE by
PALESTINE POTASH LTD. for export to
NEAR, MIDDLE and FAR EAST and AUSTRALASIA

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DIGITALIS	RHUBARB
LEAVES	SAPONINE
ERGOT OF RYE	SENEGA ROOT
GALANGAL ROOT	SENNA LEAVES
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33 & 35 EASTCHEAP, LONDON, E.C.3

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ACONITE, ALESTONIA BARK, BELLADON
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ASAFOETIDA, BRYONIA, CALUMBA ROO
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EPHEDRA VULGARIS, GLYCYRRHIZAE, P
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FRUIT, ETC., of guaranteed standard qua

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LAWRENCE ROAD - AMRITSAR - INDIA

NATIONAL WAR FORMULAE

An Announcement of Importance to Wholesale
Druggists and Manufacturing Chemists

PATTINSON'S Regd. Brand

MAGNESIUM TRISILICATE B.P.

This high-grade product conforms to the
requirements of the recent Addendum
to the British Pharmacopoeia. Write for
special bulletin and sample.

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(Branch of Turner & Newall Ltd.)

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(MIDLOTHIAN OAT FOOD)

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Price

1/9

per 1-lb. tin

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The **TONIC
MALT FOOD**

Sole Manufacturers. With Guaranteed Complement of Vitamins A, B.
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CHEMISTS'
FAVOURITE
for over
75 YEARS

MASON'S

EXTRACT OF HERBS

A 9d. bottle makes 6 gallons of
delicious sparkling Mason's Herb
Beer. **GOOD PROFITS—QUICK SALES**

Write for Trade Terms

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DRUGS, GALENICALS, PROPRIETARY
Makers of 'Vitasac'

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JAMES TOWNSEND & SONS, Ltd., EXETER.
Chemists' Printers.

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The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

ORGANO-THERAPEUTICAL PRODUCTS

OXO LABORATORY PREPARATIONS

For PERNICIOUS ANÆMIA

OXO LTD'S LIVER EXTRACT FOR INJECTION (I.M.)

The potency of "OXOID" Brand Liver Extract for Injection in the treatment of Pernicious Anæmia is guaranteed.

The usual maintenance dose is 2 c.c. injected at weekly or fortnightly intervals. Dosage for emergency use is 4 c.c. for the first day and 2 c.c. on alternate days.

SUPPLIED IN AMPOULES OF 2 c.c. AND BOTTLES OF 10 c.c. AND 20 c.c.

Ampoules: 6 (6/6); 12 (12/6); 50 (48/-); 100 (92/-).

Bottles: 10 c.c. (4/9); 20 c.c. (8/6).

Literature supplied on application.

OXO LIMITED, Thames House, London. E.C.4

OXO LABORATORY PREPARATIONS ★

CHESTNUTS Brand

AND

CHEST & LUNG TABLETS

May we again remind our many friends that the above are no longer regarded as Sugar Confectionery, but have been definitely classified as Medicinal Preparations, and you should not, therefore, accept coupons when making sales.

Sales are restricted to small quantities, and only to customers who have been regular purchasers.

Price 1 to 4 lb., 2/5 per lb.
(Plus Purchase Tax)

SULPHUR TABLETS . . .
also come under the classification of a Medicinal Preparation. When our present stocks are cleared the sales of these tablets will be temporarily suspended until next Spring.

In the meantime very restricted quantities are available.

Price 1 to 4 lb., 1/6 per lb.
(Plus Purchase Tax)

ARTHUR H. COX & CO., LTD.

Manufacturing Chemists

BRIGHTON

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BRAND OF CALCIUM - SODIUM - LACTATE (REGD.)

In order to conserve materials and labour and to ensure the prompt despatch of orders, we are concentrating on the packing of the tin containing 108 tablets, which retails at 5/6 including tax. At present the demand for Kalzana comes mainly from regular users who have proved its merits, and we are sure they will welcome the news that regular supplies can be obtained in this packing. Your wholesalers have adequate stocks.

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THERAPEUTIC PRODUCTS LTD.
PERIVALE • GREENFORD • MIDDLESEX



• • MANOIDS • • • • NEVROIDS • • URICURE TABLETS OCCASIONAL PILLS

THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY.
and all Sundries Houses.

Perox-Chlor Special Announcement

There are good supplies of Pero Chlor in 1 gallon jars, and chemists can resell this so long as they set against their "Toilet Preparations" Quota of £41 13s. 4d. per month.

1 gallon jars £3 each plus £2 Purchase Tax, or five 1 gall. jar lots £15 nett including Purchase Tax, and carriage paid.

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46 Elswick Road, Newcastle-on-Tyne, 4

PURE ESSENTIAL OILS
WE WILL HELP YOU! SAMPLES and offers on request

Soluble, emulsified, for every purpose. Practical ingredients for the Food, Soft Drink and Confectionery Industry. Special efficient preservatives to prevent rancidity and oxidation. Technical advice for all wartime problems

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* A great demand —
* A good profit —
* Are you stocked?

With so many more thousands of people engaged upon unaccustomed manual work resulting in frequent minor injuries, the need of an ointment that is antiseptic AND soothing is constant and urgent. An intensive press advertising campaign in London evening newspapers, provincial dailies and weekly illustrated publications is telling the public how Snowfire Ointment meets today's needs. In view of the ever growing demand for Snowfire Ointment, you are strongly advised to make sure your stock NOW.

ALS — CUTS, BURNS, SCALDS,
RATCHES, INFLAMMATION

JARS
ing at 1/-
ding Purchase
Tax.)
ufacturers
HAMPSHIRE
LTD.,
Chemists,
RYDALE
RY.



THAT LITTLE
ben

That cut may become infected...

That scratch may get worse...

That cut may cut your war effort...

It may seem trifling, but do not neglect it or it may interfere with your work — and then your output may suffer too. Treat the cut with Snowfire Ointment immediately, then you have given first aid and commenced healing all in one! Snowfire the ointment that is antiseptic AND healing. Always keep a jar handy.

FIRST AID
Snowfire Ointment for cuts, burns, scalds, scratches, chapped hands, inflammation.

Snowfire Ointment

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FAMOUS FOR OVER 80 YEARS

GOOD DEMAND GOOD SUPPLY

FENNINGS' LUNG HEALERS (being re-named "Little Healers")
For Coughs, Colds, Bronchitis, etc. 1/3 and 3/- glass tubes. Also
5/- Carton of 10 Packets, retailing at 6d. each.

FENNINGS' OINTMENT. Demand Steadily Increasing
For Cuts, Burns, Bruises, Chilblains, and all skin irritations.
Price 1/3 per tin.

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FENNINGS' WORM POWDERS

FENNINGS' STOMACH STRENGTHENERS

FENNINGS' FEVER CURER

FENNINGS' RHEUMATIC AND ERYSIPELAS DROPS

PRICES
1/3 and 3/-

1/3

Please address orders and inquiries to your Wholesaler

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at present in short supply, owing to war conditions, but every
endeavour is being made to execute orders.

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AS SUPPLIED TO THE BRITISH RED CROSS SOCIETY
(Prisoners of War Branch)

15%	MEDICAL SOAP	4/4 per box of 3 tablets
15%	"	..	..	..	..	1/5½ per tablet
5%	TOILET SOAP	..	..	..	..	2/6 per box of 3 tablets
5%	"	..	..	..	..	10d. per tablet
10%	OINTMENT" (1-oz. size)	..	..	..	..	1/2 per tin
10%	" (1½-oz. size)	1/8 per tin

ORDER through your usual Wholesaler on Bonus terms. See P.A.T.A. List.

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Public demand for BETALAX, the even-dose Chocolate Drop Laxative, has increased beyond even our estimates, optimistic though they were. Shortage of raw material and labour combine to render deliveries somewhat slow.

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THE NEW-PROCESS CHOCOLATE LAXATIVE

EVEN-DOSE CHOCOLATE DROP



PRICE LIST

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A NEW FRUIT LAXATIVE

- which every Chemist can Sell!

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FRUIT FLAVOURED LAXATIVE TABLETS

- ATTRACTIVE
- EFFICACIOUS
- PROFITABLE



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inc. P.T.

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of the public
for
more
than
half a
century
to

BOX'S PILLS

Keep your Public reminded that you sell Box's Pills. Give them a good show. Display stands free.

has made them a star to which the retail chemist is glad to hitch his wagon. They have always sold well, and in these difficult days when normal diet is disturbed and digestion upset they sell better than ever.

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Postage extra.

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SULIS—Nature's "pleasant to drink" remedy for all rheumatic and kindred complaints. From deep down in the earth gush healing waters of Bath. These are bottled at the Springs more and more people are benefiting by drinking Sulis either or sparkling.

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The BRITISH
Mineral Water

Prices, discounts and full particulars from
CATER, STOFFELL & FORTT, LTD., The Springs, BATH

Advertised Nationally

IRONITA
The Four S
HEALTH BUILD
PLEASANT AND
INVIGORATING

SOUND
SLEEP

ENERGY

TAKE a wineglass of Vironita
times a day to strengthen the
stimulate the appetite, create new
and induce sound, revitalising
This great non-alcoholic health
to invaluable for war workers.
5 1/3 large bottle, 3 1/3 small
Sold by Boots, Timothy Whites,
and chemists and stores
M. CALTHORPE & CO.,
29, EAST PARADE, LEEDS.

**NATURE'S
Restorative**

Vironita stimulates
the appetite, creates
new energy and
induces sound, re-
vitalising, sleep
This great non-
alcoholic health-
builder is inval-
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workers.
Sold by Boots,
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M. CALTHORPE & CO.,
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Vironita advertising is now
appearing consistently in *The
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are also appearing in
more than 100 daily and
weekly provincial papers.
Also substantial
outdoor publicity,
posters, etc.

Are you ready
with stocks for
the demand? No
Licence required

Send for Free Show Material and link
up displays with our Press Advertising

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Citro-phosphas	0.87
Ferri. et. Quinin. Cit.	0.11
Inf. Gent. Co. Conc.	0.08
Dec. Sarsa. Co. Conc.	0.45
Ext. Glyc. Liq.	0.16
Tinct. Aurant.	0.08
Sacch. Ust.	0.89
Syr. Simplex.	4.02
Sacch. Lact.	4.02
Acid. Tart.	0.16
Acid. Cit.	0.13
Sp. Chlorof.	0.84
Ol. Limonis	Q.S.
Ol. Caryoph.	Q.S.
Saccharine	Q.S.
Aq. Chlorof.	Ad. 100

Formula as
on every
bottle

Pronounced
VYRO-NIGHT-A

VIRONITA

Obtainable from London Wholesalers:
Messrs. SANGERS, LTD., and
Messrs. MAY ROBERTS & CO., LTD.

M. CALTHORPE & CO., 29 East Parade, Leeds 1

The Popular PHOSFERINE PRODUCTS

EMERGENCY
PACK No. 2
3/3d.



EMERGENCY PACK
No. 1, 1/4d.

are on the P.A.T.A. List

The great demand for Phosferine Products has created many problems connected with the manufacturing and distribution of these very popular lines. But these difficulties as they arise, are being overcome.

It will be necessary to introduce emergency packs for Phosferine Tablets, owing to the shortage of glass and the difficulty of obtaining cardboard. These new packs, wax paper tubes, are illustrated in the group of Phosferine Products.

PHOSFERINE (ASHTON & PARSONS) LTD., King Georges Avenue, WATFORD

HARVEY'S Horse Remedies

P.A.T.A. Protected Prices

Supplies through all Wholesale Houses

HARVEY & CO. (DUBLIN), LTD., DUBLIN



ORDERS and INDENTS invited from
DOMINION, COLONIAL and ALLIED IMPORTERS
W. H. JONES & CO. (LONDON) Ltd.
BUYERS and SHIPPERS

War-time Address:

20 BOSWORTH RD., NEW BARNET, HERTS, ENGLAND

USED

TEA CHESTS, CARTONS WOOD BOXES GUM TAPE

LARGE STOCKS CARRIED

The Buckinghamshire Paper & Box Co.
Devonshire Works, Chiswick, London,

Phone: Chiswick 2954/5/6

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NINE MONTHS' COURSES

for the

INTERMEDIATE and QUALIFYING EXAMINATIONS of
the PHARMACEUTICAL SOCIETY

will commence on SEPTEMBER 28

Also a NINE MONTHS' COURSE for the
ASSISTANTS' EXAMINATION of the APOTHECARIES
SOCIETY, September 28

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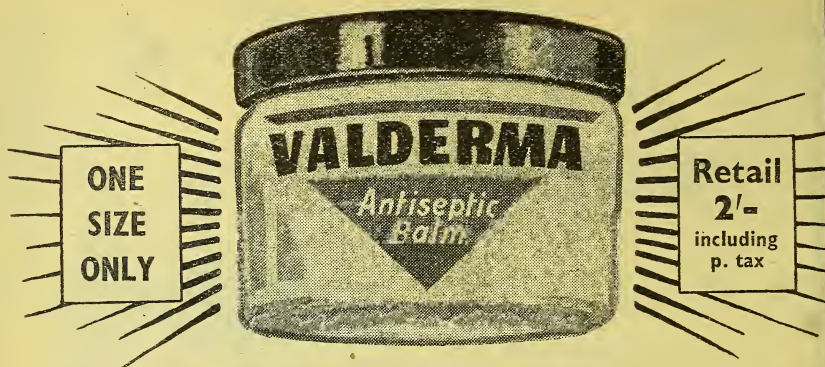


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The CHEMIST AND DRUGGIST

SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist
 AUGUST 29 1942
 28, ESSEX STREET, LONDON, W.C.2

Advertisements in this supplement must be prepaid and should reach us not later than WEDNESDAY week of issue. Box Office numbers cost 1/-. Late advertisements will be held over to following week.

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Note of the vacancies for women advertised in our columns relates to a woman between 18 and 30 inclusive unless such a woman: (a) has living with her a child of hers under the age of 16; (b) is registered under the Blind Persons Act; or (c) has a Ministry of Labour permit to allow her to obtain employment by individual effort.

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LOCUM, Qualified or Unqualified, August 31st to October 3rd. Central London. Apply 410/101, London Office of this Paper.

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ASSISTANT PHARMACIST (man or woman) required at Park Prewett Emergency Hospital, Basingstoke, Hants. Applicants should possess M.P.S. and preference given to one with Hospital experience. Salary £260 per annum, non-resident. Full particulars with copies of two testimonials to Medical Superintendent.

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Apply to the Medical Superintendent, Botleys Park, Chertsey, Surrey.

DUDLEY AUKLAND,
Clerk of the Council.

August 24, 1942.

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None of the vacancies for women advertised in our columns relates to a woman between 18 and 30 inclusive unless such a woman: (a) has living with her a child of hers under the age of 14; (b) is registered under the Blind Persons Act; or (c) has a Ministry of Labour permit to allow her to obtain employment by individual effort

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